

19981020.qrp v01_n250.qrs.981020

Date: Tue, 20 Oct 1998 19:03:25 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1250

QRP-L Digest 1250

Topics covered in this issue include:

- 1) [22657] RE: Bandpass filter (mechanically tuned ...)
by Ed Loranger <we6w@qsl.net>
- 2) [22658] Pacificon
by wb8ygg@juno.com
- 3) [22659] SMiTe Sched
by "Ken Hanks" <KenNFD@ibm.net>
- 4) [22660] Re: Us vs Them
by k7sz@epix.net
- 5) [22661] Hamsticks and BugCatcher are G-O-N-E!
by k7sz@epix.net
- 6) [22662] Re: resonant speaker headphones? A great idea!
by Steve <smann@advi.net>
- 7) [22663] WTB: Ten Tec 509
by "Tim Cook" <timcook@erinet.com>
- 8) [22664] arci fall test....
by frank lauri <qrpp@yahoo.com>
- 9) [22665] Re: resonant speaker headphones? A great idea!
by Monte Stark <ku7y@dri.edu>
- 10) [22666] Fall ARCI KØFRP
by alan dawkins <alk0frp@earthlink.net>
- 11) [22667] Re: MAJOR STORM & AURORA WATCH (fwd)
by talljazz@teleport.com (Dan Presley)
- 12) [22668] Newbie on 7139kHz to 7144kHz
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 13) [22669] Times when I'll be on
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 14) [22670] fox 10-22-98 10PM EST 7.030 to 7.050 5 watts argo-2 vertical.
by Walt Amos <waltk8cv@ameritech.net>
- 15) [22671] Stone Mountain GA hamfest
by "DJ Rock" <b2bn@hotmail.com>
- 16) [22672] An Alaskan's Perspective on Pacificon de AL7FS (very long)
by Jim Larsen AL7FS <larsennc@alaska.net>
- 17) [22673] ScQRPion Antler - Windup Antenna
by Brian Kassel <bkassel@dancris.com>
- 18) [22674] ARCI
by flydnq7x@primenet.com (Floyd Smithberg)
- 19) [22675] Pacificon

- by Monte Stark <ku7y@dri.edu>
- 20) [22676] ARCI Test de VE3ELA
by Ken La Rose <kenlar@csolve.net>
- 21) [22677] Re: resonant speaker headphones? A great idea!
by Steven Weber <kd1jv@moose.ncia.net>
- 22) [22678] ScQRPion Stinger Pacificon Design Entry Description
by tayloe_d@juno.com (Daniel R Tayloe)
- 23) [22679] Voice-Balancing Audio Clipper?
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 24) [22680] Re: resonant speaker headphones?
by n2tpa@juno.com (Bill d Lazure)
- 25) [22681] Fall ARCI QSO Party
by malman@world.std.com (joel malman)
- 26) [22682] The "QRP CANNON"
by George Gingell <k3tks@u1.abs.net>
- 27) [22683] Re: PVC Audio Filter/QRP CANNON
by George Gingell <k3tks@u1.abs.net>
- 28) [22684] WorldRadio Article about Mr. QRP
by "Ron Polityka" <wb3aal@talon.net>
- 29) [22685] Re: Fall ARCI QSO Party
by "david r" <elbc@pivot.net>
- 30) [22686] FS: Kenwood TS-130V
by n3bj@hotmail.com
- 31) [22687] Fox Tonight!!!
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 32) [22688] RE:Sale:NC40A
by Jay Bromley <w5jay@alltel.net>
- 33) [22689] No arc contest but 12
by ac5ez@webtv.net (Larry B)
- 34) [22690] Re: Stone Mountain GA hamfest
by "Bryan Turner" <turnerw@email.uah.edu>
- 35) [22691] scorpion antenna
by bkobie@webtv.net (patrick obrien)
- 36) [22692] Resonant speaker headphones?
by DNT1@chrysler.com
- 37) [22693] RE: Stone Mountain GA Hamfest
by Bob Confrey <Bob.Confrey@sciatl.com>
- 38) [22694] test- ignore
by Robsparks@aol.com
- 39) [22695] Dipole w/counterweight...
by "KBÿVCC" <kb0vcc@rocketmail.com>
- 40) [22696] Re: Resonant speaker headphones?
by "Frank Grigaliunas" <fgrig@iea.com>
- 41) [22697] FT-840 AND BITTY/MFJ-1214
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 42) [22698] Re: resonant speaker headphones? A great idea!
by "George T. Baker" <w5yr@swbell.net>
- 43) [22699] RE: Stone Mountain GA hamfest

by Sam Billingsley <SBillingsley@usaninc.com>
44) [22700] Son of resonant speaker headphones? A great idea!
by WD6BOR@aol.com
45) [22701] Hello Dave Mecham
by Niel Skousen <nskousen@scientech.com>
46) [22702] QRP-L
by David Shalita <af389@lafn.org>
47) [22703] Did anyone see Aurora last night?
by Mike Parkes <ab7ru@yahoo.com>
48) [22704] Thanks, re: Glass Mounted Antennas 2M Mobile
by "Kevin F. Glynn" <kfglynn@prodigy.net>
49) [22705] Re: Voice-Balancing Audio Clipper?
by Terry Conboy <terry.conboy@airtouch.com>
50) [22706] FAQ: Best backpacker antenna
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
51) [22707] Reasonant Speaker Earphones
by dave_epps@juno.com
52) [22708] N4BP ARCI Party
by Bob Patten <n4bp@bc.seflin.org>
53) [22709] Re: printed circuit boards
by W7LS <w7ls@blarg.net>
54) [22710] Fading comebacks that didn't exist
by KC5TJA <kc5tja@topaz.axisinternet.com>
55) [22711] Re: Did anyone see Aurora last night?
by Niel Skousen <skousen@srv.net>
56) [22712] RE: Reasonant Speaker Earphones
by Sam Billingsley <SBillingsley@usaninc.com>
57) [22713] RE: FOX - HELP
by Brad Mugleston <bmug@gwl.com>
58) [22714] Re: Resonant speaker headphones?
by Vic Rosenthal <rakefet@rakefet.com>
59) [22715] Nixie Tubes
by w4bld@juno.com
60) [22716] Crystal oscillator
by Bigbob97@aol.com
61) [22717] More zombie movies
by WD6BOR@aol.com
62) [22718] Re: Fading comebacks that didn't exist
by Shepherd@aol.com
63) [22719] Re: Did anyone see Aurora last night?
by Roger Traylor <traylor@ECE.ORST.EDU>
64) [22720] Re: Fading comebacks that didn't exist
by Michael Maiorana <mikemo@ibm.net>
65) [22721] norcal key kit
by marion@montana.com
66) [22722] "I'd sure like to be in that picture!"
by Grant Taylor <k7gt@qsl.net>
67) [22723] RE: FOX - HELP

by jeverhar@cse.l-3com.com

68) [22724] Re: FOX - HELP
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>

69) [22725] G3RJV Six-Pack Missing Boards
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

70) [22726] SMALL resonant speaker - webpage
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

71) [22727] Resonant speakers /Tape and building materials.
by we6w@juno.com (Ed Loranger)

72) [22728] Re: crystal oscillator
by jeverhar@cse.l-3com.com

73) [22729] Looking For Roller Inducters
by Jeff Johnson <jeff@san-dc.com>

74) [22730] QRP Pactor ???
by "GREGORY HEATH" <KB2QQM@email.msn.com>

75) [22731] RE: Crystal oscillator
by Kevin Muenzler WB5RUE <wb5rue@stic.net>

76) [22732] Re: N4BP ARCI Party
by wd3p@juno.com (Larry Cahoon)

77) [22733] Re: More zombie movies
by W5TB <w5tb@SoftHome.net>

78) [22734] Re: N4BP ARCI Party
by k7sz@epix.net

79) [22735] Where are you?
by George Gingell <k3tks@u1.abs.net>

80) [22736] RE: FOX - HELP
by "Rattray, Bruce" <Rattray@siast.sk.ca>

81) [22737] Re: Crystal oscillator
by Ed Tanton <n4xy@att.net>

82) [22738] FW: FOX - HELP
by "Rattray, Bruce" <Rattray@siast.sk.ca>

83) [22739] Re: FOX - HELP
by n4js@pobox.com (John Sielke)

84) [22740] Re: FOX - HELP
by "Barry L. Geipel" <bgeipel@primenet.com>

85) [22741] Smallest Transceiver???
by Baranger1@aol.com

86) [22742] Wanted: SST/20m kit (built ok)
by Grant Taylor <k7gt@qsl.net>

87) [22743] Re: Son of resonant speaker headphones? A great idea!
by n5inz@juno.com (John M Andrews)

88) [22744] Re: Did anyone see Aurora last night?
by "david r" <elbc@pivot.net>

89) [22745] Re: Did anyone see Aurora last night?
by Jim Lyons <jlyons@CAM.ORG>

90) [22746] Great QRP Surfin'
by VE3JC - John C <jbcumming@wwdc.com>

Date: Mon, 19 Oct 1998 23:02:02 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: Yaacov@barcode.co.il
Subject: [22657] RE: Bandpass filter (mechanically tuned ...)
Message-ID: <362BC4EA.77C7@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Today, Yaacov Yossef 4Z9DGF said Simply:

<snip>

when I come back home, at the end of the day, I want to find my
rig with rotatable knobs attached to varying capacitors (not with
electronic
varactors digitally operated by pressing buttons). I don't want any
digital
display. I would like my equipment to have a big room in it, for my
clumsy
hands to be able to replace a transistor or a resistor. I don't want to
have to look for exactly the same chip when mine burns out or gets out
of
order. I don't need memories, scanning, DSP, voice processing or
anything
of the kind. I don't want all the extra features, which are condensed
into
the equipment box, and their real purpose is to make its price higher.

I just want a simple CW transceiver. OKay, and a good filter. Nothing
more, even not a frequency counter.

<end snippet>

Yaacov, I'm near tears. This is beautiful. I too work with the
high density electronics and specialty electronics (I.E. if the
chip fails =No alternative!)

Thanks for sharing this with us.

And I say: "Me Too" :)

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 19 Oct 1998 18:59:57 -0400
From: wb8ygg@juno.com
To: QRP-L@Lehigh.EDU
Subject: [22658] Pacificon
Message-ID: <19981019.185958.16022.0.wb8ygg@juno.com>

Ok, well, I had a blast.

I usually don't write anything like this, but this hamfest makes me want to move to the west coast!
(Almost)

The People were great.
The Weather was unlike anything ever at Dayton.
The things I learned from all the great hams,
The Hotel was very good.

Did any of you dance with the bride, or was it just Derry?
Just kidding Derry.
73

"One of the TICK Guys"
Brad WB8YGG
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 19 Oct 1998 19:08:33 -0400
From: "Ken Hanks" <KenNFD@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22659] SMiTe Sched
Message-ID: <001501bdfbb5\$6e898300\$eb7f2581@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone interested in setting up a schedule for a SMiTe rig on 80M? 0200 to

0400 UTC is my time to be on the air.

I would prefer a SMiTe to SMiTe QSO but it is not a requirement.

Tnx es 73

Ken K1XS@ibm.net

Date: Mon, 19 Oct 1998 19:19:18 -0700
From: k7sz@epix.net
To: aa1qj@loa.com
Cc: qrp-1@Lehigh.EDU
Subject: [22660] Re: Us vs Them
Message-ID: <362BF326.3707@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Laurent C. Lafond wrote:

>
> I recently received the By-Laws for the Association to which I am
> moving. There definitely is a restriction on Amateur Radio
> Antennae.
>
> However, there is a caveat. It further states that "each individual
> request will be considered on..." "...it's own merits." Have to bring
> the matter up before the board, with descriptive literature regarding
> the antenna installation and they will make a decision.
>
> My question - Has anyone approached the Board upon moving into a
> complex?? Would be interesting to hear some of the stories that
> came from the Meeting.
>
> Second part - Would it be wise to bring the matter up? If rejected,
> would the complex 'spy' keep an eye out on me so that I wouldn't even
> be able to put up a stealth in the middle of the night?
>
> tnx es 72
> Laurent AA1QJ

There is an old USAF expression: "It is easier to beg forgiveness than get permission". NOrmally I sould approach the Board, but if your gut

feeling is that it is going to be a waste of time and they might start targeting you for some "special surveillance" then, say nothing, and operate using clandestine antennas.

73 es gl

Rich K7SZ

Date: Mon, 19 Oct 1998 19:33:47 -0700
From: k7sz@epix.net
To: qrp-1@Lehigh.EDU
Subject: [22661] Hamsticks and BugCatcher are G-O-N-E!
Message-ID: <362BF68B.4D98@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang:

Wish I had a truck load of them but they are gone.....they lasted about 1 hour!

73 Rich K7SZ

Date: Mon, 19 Oct 1998 19:57:50 -0400
From: Steve <smann@advi.net>
To: WD6BOR@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22662] Re: resonant speaker headphones? A great idea!
Message-ID: <362BD1FE.69E2@advi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WD6BOR@aol.com wrote:

> I think the whole idea of developing resonant speakers and headphones deserves
> much more consideration.
>
> I'm going to dig out some old Buck Rogers and Flash Gordon comics and videos
> and see if I find any good ideas.

>

> 72 and may the Farce be with you,

>

As best my memory serves me, there was an article in QST during the late 1970s regarding a ham who took a "reed" from a harmonica and mounted it in the center of the metal disk in a 2000 ohm magnetic earphone. The idea was to have the magnetic earphones only vibrate at one frequency, the frequency of the reed.

Sounded good in theory...but how much sound pressure does it take to activate the reed? Enough to make you deaf?

But then again, the ham's name was something like Tim Eahrs and his call was WH00P. Yep, you got it...it was an April issue of QST!

There have been a lot of articles over the years using LC filters such as those with the 88 mH and 44 mH toroids, but I don't recall any using acoustic resonators with earphones.

Of course this leads to an interesting visual image...4 to 6 inch tubes extending from the earphones from each side of the head.

But then again, what else would the well dressed Zombie wear?

Steve, N4EY

Zombie badge #257

Date: Tue, 20 Oct 1998 00:02:21 -0400

From: "Tim Cook" <timcook@erinet.com>

To: "[Ten Tec] - Reflector" <tentec@contesting.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [22663] WTB: Ten Tec 509

Message-ID: <01bb01bdfbde\$70c7dda0\$f87f5acf@timcook.erinet.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Looking for a Ten Tec model 509 please email direct with specifics if you have one for sale

Thanks

Tim

NZ8J

Date: Mon, 19 Oct 1998 17:19:15 -0700 (PDT)
From: frank lauri <qrp@yaho.com>
To: qrp-1@Lehigh.EDU
Subject: [22664] arci fall test....
Message-ID: <19981020001915.24782.rocketmail@send1e.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

although not in the contest,i still enjoyed all the activity and a chance to practice with my new call for a few hours.

here is what i caught using 5 watts and the r7 vertical;

band	qso's
80 mtrs	0
40	21
20	28
15	24
10	6

c u on the air,
frank n2ix

DO YOU YAHOO!?
Get your free @yaho.com address at <http://mail.yaho.com>

Date: Mon, 19 Oct 1998 17:29:30 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Steve <smann@advi.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22665] Re: resonant speaker headphones? A great idea!
Message-ID: <Pine.SOL.3.96.981019172624.11473B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Steve and all,

Many years ago, it was common to cut a "notch" in the metal plate in the old ear phones. QST and I think Hints & Kinks had the sizes and a little drawing. You adjusted the response frequency by making the little "tab" longer.

You had to be careful to start out too short (high)!!

And yes, it did work.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 19 Oct 1998 17:30:44 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [22666] Fall ARCI K0FRP
Message-ID: <362BCBA4.D5B300FC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang

Got about 15 hour and finished worse than last year.

I see the Fall ARCI as a indicator for the Sweeps Stakes contest in November. I hope its not true.

My all night band 40m was a bust, with the NA Sprint going, only 63 Q's is bad for 40m. Sunday afternoon was not bad on 40m.

Worked VE3ELA (his 3w) and K4KJP(AL) on 80m.

I was happy to see 15/10m doing well. 10 METERS IS OPEN JUST LISTEN OR CALL CQ. From Colorado there were openings to NY,PA,NJ,MA,NC,QCand FL. 15m brought a bit of DX Italy, Netherlands, Germany, Japan 2-way QRP, Cuba and of course Panama snagged Cam HP1AC on 20m also. Now my Tribander is only at 34 ft., no high monobander there, I also had to use my tribander on 10m, so it doesn't take much height on 10/15m. My monobander on 10m, at 77 ft, is sick, needs a tune-up.

	80m	40m	20m	15m	10m
Q's	4	63	139	68	18

SPC 4 31 38 32 9

Didn't even make a Million, 900,000 plus some.
But WE ALL HAD FUN TRYING.
That's what its all about.
SEE YA NEXT TIME
Al K0FRP

Date: Mon, 19 Oct 1998 17:57:55 +0100
From: talljazz@teleport.com (Dan Presley)
To: pharden@aoc.nrao.edu
Cc: qrp-1@Lehigh.EDU
Subject: [22667] Re: MAJOR STORM & AURORA WATCH (fwd)
Message-ID: <v01530516b2511ee54208@[204.202.172.114]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul-(and the list).-I'm wondering if there was a 'minor' event over the weekend, particularly on Sunday. I was on for the ARCI contest, and the bands seemed to 'die' around 1700 or so (UTC), and then slowly return. 20 was dead, and the few signals on 15 sounded like a 'buzzsaw'; characteristic of an auroral disturbance if I've got it right. Later the bands were jumping clear up to the end of the 'test. I'm in Portland, Or-curoius if anyone else noticed this.
Dan N7CQR

Date: Mon, 19 Oct 1998 19:01:10 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-1@Lehigh.EDU
Subject: [22668] Newbie on 7139kHz to 7144kHz
Message-ID: <Pine.LNX.3.96.981019185920.23782A-100000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I could tune lower, but where I am located, the range from 7139 to 7144 seems to be the most quiet. I will be on the radio for a while now, so if someone wants to work me, please feel free. :)

Warning: I'm a novice novice -- I can barely understand 5wpm. Please try to communicate at 5wpm or thereabouts. I'll let you know if you're going too fast for me. Thanks :)

```
=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
DM13          |                               Samuel A. Falvo II
QRP-L #1447   |                               http://www.dolphin.openprojects.net
Oceanside, CA |.....
```

Date: Mon, 19 Oct 1998 19:02:58 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [22669] Times when I'll be on
Message-ID: <Pine.LNX.3.96.981019190112.23782B-100000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry for the last post -- I forgot to mention when I'll be on.

I will try to be on from 7pm to 10 or 11pm PACIFIC TIME, USA. I am GMT-8 where I live, so feel free to do the math. :)

Once again, that's 7139kHz to 7144kHz. I'll try to call on 7140kHz whenever I possibly can.

Thanks.

```
=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
DM13          |                               Samuel A. Falvo II
QRP-L #1447   |                               http://www.dolphin.openprojects.net
Oceanside, CA |.....
```

Date: Tue, 20 Oct 1998 02:12:30 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: List qrp-l <qrp-l@Lehigh.EDU>
Subject: [22670] fox 10-22-98 10PM EST 7.030 to 7.050 5 watts argo-2 vertical.
Message-ID: <362BE37E.B9811EDE@ameritech.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hounds.....

I will hide around 7.041 but sure will move when the qrm comes up! I do have a RIT knob and plan to use it. I have a vertical and a dipole and will switch. The rig probably will be my argonaut II, My call is K8CV and if I have the time and date right it is

10/23/98 k8cv mi 0200Z

Good hunting

--

Walt k8cv " Life is too important to be taken seriously "

Date: Mon, 19 Oct 1998 19:38:26 PDT
From: "DJ Rock" <b2bn@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [22671] Stone Mountain GA hamfest
Message-ID: <19981020023826.21125.qmail@hotmail.com>
Content-Type: text/plain

Will anyone here be at the stone mountain hamfest November 7-8? I am a new ham and this is my first opportunity to go to a fest. I'm looking to get my first gear at the fest. It seems to be the consensus of most of the older hams I know that I should start with a pre built QRO device so as to build contacts and learn my 'chops'. I'm somewhat worried about being ripped off, does this happen often? And I know this has been asked a thousand time before, but Im looking for suggestions as to specific models to look for and what a fair price is for them. Thanks for the help, and hopefully I'll see you there.

DCS KF4ZKN

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 19 Oct 1998 19:17:39 -0800
From: Jim Larsen AL7FS <larsennc@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>
Subject: [22672] An Alaskan's Perspective on Pacificon de AL7FS (very long)

Message-ID: <362C00D3.FFF5BED7@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

An Alaskan's Perspective on Pacificon de AL7FS

Eighteen years. It's been about 18 years since I went to a ham radio convention outside of Alaska. Pacificon 98 became my window into the real people of QRP and QRP-L.

My travel from Alaska was quite reasonable except for the fact that I left the house at 11:30 PM on Thursday night. I was able to sneak about 2-3 hours of sleep on the plane and arrive in Oakland at 8:50 AM. A trip via AirBART, BART and the hotel shuttle took 2 1/2 hours and by 11:30 AM I was checked in.

As I turned around from the hotel counter, the first person I spotted that had the look of a QRPer (i.e., wearing a Norcal QRP Zombie badge) and was a mountain man type of a guy with a big bushy beard. I thought for sure I was lost and had landed back in Alaska during the gold rush. It turned out to be Scott Hogin, K7ZEN, my roommate for Pacificon. This was also his first Pacificon. In rapid order I met W7AQK-Dave (the Pacificon attendee list man), AC6KW-Jeff, K6EXT-Ron, W5VB0-Brian (one of the speakers) and W6MMA-Vern of SLV upgrade fame. Pacificon was off and running for me.

After a short nap, I attended the kick off Pacificon Forum titled Amateur Radio in Emergency Communications. < Five items from talk not typed in from hand written draft to reduce length of this posting> KE6WRE-Terry Matzkin introduced the speakers and informed us that Pacificon took 125 volunteers on 25 committees a full year to put this event together. It was a massive effort.

The first QRP event was dinner at Tony Romas. We all met at about 6 PM in the lobby of the hotel and then piled into cars for the ride to the get-together. And I do mean "piled". W7AQK's rental car was tiny; two seats in front, narrow in the back and we put six big guys in the car. Dan Taloe-N7VE wins the award for assuming the most creative and brave position in the front seat while not squeaking while Dave drove. A comment was made that we may have done this sort of thing as teenagers but it doesn't seem to work as well today. When we got to the restaurant I wasn't sure I could even get out of the back seat...but I made it.

Inside Tony R's we were direct to a back room (It figures as we probably needed to be hidden). The reservation were for 40 and I believe we

exceeded that by 10-12 people. Eight of the QRPers had to sit in another area.

Serendipity was with me as I ended up next to KI6DS, Doug Hendricks and across from NA5N, Paul Hardin, two of my heroes, so to speak. Our end of the table had KQ6SD-Norm, KF6JHC-Veda, NA5N, K7ZEN, AL7FS, W7AQK, KI6DS, W1REX-Rex and KK6MC-Jim from NM, our friendly physicist.

The room was a riot of laughter, loud talking, big smiles, and happy people all meeting for the first time or renewing old friendships. We introduced ourselves one-by-one and I laid eyes on Jim Cates, WA6GER (Good looking guy), Dave Fifield-AD6AY, Derry Spittle-VE7QK, Mike C.-WA8MCQ, Ron-KU7Y, QRP Bob of Wilderness Radio-KD6VIO and of course many, many more. The evening was 100% fun plus a bit more.

After a decent night's sleep it was up at 5:15 AM to be ready at the 6:00 AM starter's gun for the flea market. 6:00 AM!! It was dark!! Are these guys crazy? K7ZEN and I wandered around for 30 minutes in the dark and then bailed out for breakfast. We could see the tailgaters were still coming in and we figured to stop back a bit later. When we got back 40 minutes later, there were three times the vehicles with goodies. We never have this much stuff in Alaska. Never! I took a tour and finally spent a little bit of money. I bought GRA-4 dipole center insulators for \$5.00 and military style guy ropes with clips and tightener hardware at 4 for \$10. I was very restrained in my purchases (and very proud of myself.). I almost bought the J-38 key on the leg clip, new in the bag for \$20 but decided I have enough keys.

Finally it was 8 AM and time for the QRP forums. You have all seen the agenda many times so I won't repeat but let me list a few items that I seemed to notice. < Six items not typed in from hand written draft to reduce length of this posting>

After W7EL's talk I took a break and wandered off to the exhibitor hall. In the far back corner was the location of Elecraft. Care to guess my first stop?

I squeezed through the crowds, closer and closer until I finally saw it. I quietly listened to N6KR, Wayne Burdick, explaining the rig to another ham. I couldn't help myself as my hand snaked between the other people and I touched the K2. I cannot believe I actually declined Wayne and Eric-WA6HHO's offer to build and field test the K2. Still, I do need a bit more experience before I tackle the big one. I am content to wait. As I looked inside the K2 I was struck by how it seemed to be no more difficult than a small transceiver...there's just more parts. The density seemed very low due to the size of the chassis. I asked why the rig was the size it was. The answer: The ergonomics of the front panel dictated how big the rig would be. The K2 controls would be too hard to

use if the rig were much smaller. Once the size was known, the parts were spread out to fill the space.

The K2 appears to be as good as they say, at least to my satisfaction. Of course, I have not operated the rig but have every confidence in Eric and Wayne and their track record of excellence. (And yes, they really did donate and give away a K2 at the QRP Open house.)

Speaking of excellence...apparently K8FF gave a K8FF original to Wayne as a gift. It was really nice and had a few changes from the stock K8FF paddle. There were silver tipped contacts, black flat-head screws positioned at the magnets and the arms were held down by a dressed up screw with an allen wrench head on it. I played with the paddle and it was the smoothest of all the paddles (about 6-8) that I saw during the weekend.

Back to the bullet info from the forums:

< Thirteen more items from the forums not typed in from hand written draft to reduce length of this posting>

By the way, WE6W, Ed Loring, did in fact make it to Pacificon. I am not sure who his benefactors were but it was wonderful that they helped Ed out. I think one was WD6BOR, Darrel, who was also the K8FF paddle winner. (Doug Hauff-KE6RIE took second place.) It was fun talking with Ed...he is quite a character.

At the QRP open house I was delighted to see all the equipment and paddles built by QRPers. N7VE-Dan Taloe's new transceiver prototype left me gasping. I could not believe the intricate nature of the inside of the rig. And it works very well. Pete Hover-W6ZH brought his classic QRP20 rig and KI6DS joked it was one of only 3 or 4 ever to work. Everyone got a laugh out of that. I finally saw Bill-KD7S's cabinets he builds from plastic. Beautiful, functional, strong and low cost. Very impressive. His prize winning receiver in a PC was also first rate.

In 1970 while living in Iowa City, Iowa I subscribed to the QRPP Milli watt Magazine put out by WORSP, Ade Weiss. At Pacificon I met Ade and thanked him for getting me started in QRP 28 years ago. At Pacificon, Bob-KD6VIO of Wilderness Radio also thanked Ade Weiss for the major influence on Bob's life via "The Joy of QRP". QRP Bob gave Ade a complete Wilderness Sierra as a tangible demonstration of thanks. Later I talked with Ade. He was very appreciative and as an added touch he told me he had been considering ordering a Sierra only to have Bob fill his need to the max.

I met Jim Cates, WA6GER, and K5F0, Chuck Adams, and many more in less than two days. Did I keep my Pacificon log book? Yes, I did. I gave

out eyeball QSL cards to 100% of the people I met and talked with this weekend. How many? I talked with 81 hams (See list below signature). I really did concentrate on people and I had a great time.

If you can ever possibly make it to Pacificon, do it...at least once. You will not be sorry you went.

A footnote: Thank you Jim-AD6CW and Judy-KE6YBS for the ride to the airport. That really helped.

72, Jim, AL7FS -- Anchorage, Alaska
(BP51cc)@61.1009636 North 149.8237915 West (approximately)

Eyball QSL to: k7zen, w7aqk, ac6kw, k6ext, w5vbo, w6mma, n6bt, kj6en, kk6mc, na5n, wa6ger, w6su, w6zh, w6lti, ad6cw, ke6ybs, w1rex, n0qt, ab5pc, kf6jsl, kf6hkh, n7ve, kq6sd, kf6jch, ad6ay, ki6ds, wa8mcq, ku7y, kb6fpw, kd6vio, wb6yru, w6ra, kd6fji, kd7s, wa6nae, wa6fuh, n4eo, kh6ctq, ac6lc, ve7qk, n2jgu, k6qq, wb8ygg, k4dtd, w6wy, k6uuw, k2iyq, k5fo, ko6gf, n6kr, wa6hho, w7el, we6w, ab6mb, k1mg, ko6dj, ak1p, wb6stw, wa6ejv, kb6qww, n6hm, ka6sft, k7gt, g3rjv, n6wg, k7tq, kd6pag, kf6ml, kf6cxc, wa6owr, ja8ccl, ka5dvs, ke6rie, ad6ez, w0rsp, kk6ew, kg6ui, wd6bor, ke6mda, ke6jts, kb9xi

72, jim

Date: Mon, 19 Oct 1998 20:05:52 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [22673] ScQRPion Antler - Windup Antenna
Message-ID: <362BFE10.2E13EFAE@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

Just a reminder that the ScQRPion Antler windup antenna is available for \$10.00 shipped to your door. For the many folks who weren't quite lucky enough to get one at the \$5.00 Pacificon price, here's another chance to get one (or more).

I am receiving orders daily, and we have about 80 left, with the 39 that were sold at Pacificon.

What is the ScQRPion Antler, you ask? Well, here's the straight scoop at my WWW Page, along with a Picture.

<http://www.dancris.com/~bkassel/antler1.htm>

We are now completely out of LED/SWR Kits. If we get enough interest we may do another run. Remember that the complete manual that was originally included with the kit was included in the Pacificon Compendium. If you send me an SASE and \$1.00 to cover copying costs, I'll be glad to send you a copy of the 5 page manual that includes the parts list etc.

Thanks for everyone's support so far.

Brian W5VB0
AZ ScQRPions

Date: Mon, 19 Oct 1998 20:25:14 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.EDU
Subject: [22674] ARCI
Message-ID: <199810200325.UAA24563@smtp03.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, we couldn't all go to Pacificon but a lot of fun was to be had for us stay-at-home guys in the ARCI Fall QSO Party. 'Twas a nice leisurely event with code speeds running between 17 and 30wpm...good operating was in evidence by all. Worked QRP/QRP to JA, CT, HP,155/200 ARCI members and even W7ZOI Wes Hayward.

BAND QSOs POINTS MULTS COUNTRIES
40CW 9 36 8 0
20CW 100 425 35 1
15CW 82 366 30 2
10CW 9 42 7 0

Totals 200 869 80 3

Score: 869 X 83 X 7 = 504,889

Op time ~14 hrs

Equip: TS850/5W...HyGain Explorer W/40M extender @ 45'...Thinkpad/TR-log 6.29

73 Floyd NQ7X Phoenix ScQRPion

Date: Mon, 19 Oct 1998 20:48:43 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22675] Pacificon
Message-ID: <Pine.SOL.3.96.981019202357.11731D-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Still too tired to think but just had to post something about how much fun I had this past weekend.

The combo of Jim & Doug once again put on one heck of an event!

I got to the room early enough to get a seat and hear Roy Lewallen's talk! First time that ever happened to me! I also bought his EZNEC program. I mention that just to show how much I was impressed!

Everyone did a great job with their talks. The crowd was BIG at all of them. NONE of them put me to sleep and that's saying a lot!

Great job by one and all.

The dinner at Tony Roma's (sp?) was just another example of the good nature of QRPers. While there was a bit of a mix up and not all of us made it into one room, I didn't hear ANY complaining at all! Everyone took it in stride and just had fun in spite of it all!

And you never saw sooooo many yellow NorCal and Zombie shirts in all your life. Ditto the Zombie badges. Even non hams were asking Paul for them!

And just in case you didn't make it into the vendors hanger on Sunday, yes, that was Tom, N6BT of Force 12

antennas wearing his very own Zombie badge #477!!

This is a fun event and my hat's off to the whole gang that made it so much fun for me.

See you all next year,

(And for those of you that didn't make it this year, start making plans for next year).

Oh, the K2 drawing..... it was supposed to go to me but Doug did the drawing with Eric holding the bowl. Doug didn't even watch what he was doing and find my ticket in there..... I thought we had that all understood!

Oh well, at least I should be able to grab a free steak dinner from Chuck by whipping him again this year....

: -)

One subject I see missing from all the posts..... how about that CW "sending" contest??? : -) Well, let me just say that the paddles we all tried to use didn't seem to "fit" any of us at 40ish wpm!

I'll not have much to say about it either.... other than to say that I managed to embarrass myself without having to go near as fast as some of the others! : -)

I told Lee, K7QD, an old friend from Idaho, that I'll bet that next year there will be some people bringing their own paddles!

Oh, wait a minute..... I just remembered something.... I have an excuse..... I had to use Chuck's glasses! Now wonder "FOR" came out of my fingers "FER"! They have been reading that Texas talk too long. : -)

I'm off to bed.

Just try to make it next year. It's a blast!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 20 Oct 1998 00:22:26 -0700
From: Ken La Rose <kenlar@csolve.net>
To: qrp-l@Lehigh.EDU
Subject: [22676] ARCI Test de VE3ELA
Message-ID: <362C3A32.3BE@csolve.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-Lers:

Had a blast on the weekend, improving my last year's score by 50%!

Equipment was a Heathkit HW-9, single end fed wire up ~30 ft., Ten-Tec antenna tuner, and wattmeter. Power out = 3 watts.

Operated on 10, 15, 20, 40, and 80m. Worked Al K0FRP in Colorado on ALL BANDS except 10m, though not for lack of trying! WOW. Also Cam HP1AC/Panama on 15 and 20m.

Still reconciling my paper log and dupe sheets, but it looks like a total of 160 Qs, 88 SPCs, for a total score of 455,840.

My last contact was with Walt K8CV, Tuesday night's Fox, so I hope to enter his call in my logbook twice in a row!

See you on the bands!

72, de Ken VE3ELA Midland, ON

Date: Mon, 19 Oct 1998 23:22:53
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [22677] Re: resonant speaker headphones? A great idea!
Message-ID: <3.0.3.16.19981019232253.1187f7ae@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>WD6BOR@aol.com wrote:

>Of course this leads to an interesting visual image...4 to 6 inch tubes
>extending from the earphones from each side of the head.

How about this?

Mount a 1" or 1 1/2" speaker in a small enclosed container. Figure out the proper length to resonate a 3/8" or 1/4" plastic tube at 700 Hz.

Use an old set of headphones as a frame, mount the speaker in the container on the top, center of the headband. Run the tubes from the speaker cavity, one on each side, into the ear pieces, after removing the headphone guts. Don't turn the volume up very high!

Look more like one of those hats you drink beer out of than a zombie head piece, but then, nearly the same thing, eh?

72 and don't blow your ears out..

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 19 Oct 1998 23:20:53 -0700

From: tayloe_d@juno.com (Daniel R Tayloe)

To: azqrp@extremezone.com, qrp-1@Lehigh.EDU

Subject: [22678] ScQRPion Stinger Pacificon Design Entry Description

Message-ID: <19981019.232053.20838.0.tayloe_d@juno.com>

Wow! What an event! For me, the best part was meeting all the people I have met in contests on the air and read about here on QRPL. I am greatly looking forward to next years event!

>Bill and Dan's have never been seen before. I hope that both will
>give a more detailed description here on the list.

I brought a 40m transceiver to enter into the K5FO unlimited design contest. The world probably does not need another 40m transceiver. However, during a 6500 mile trip driving from Phoenix to New York to Florida and back again, I came up with an idea for a new kind of product detector that I *had* to try out. Therefore this rig started out as a "proof of concept" prototype that happened to worked (and work well!). From there things kind of got out of hand, and it grew into a full blown transceiver.

Some of the measured specifications of the receiver portion of the

transceiver:

MDS (Minimum Detectable Signal - measured by ear): -136 dbm
Two Tone Dynamic Range (2TDR): 111 dB
Third order intercept: +30 dbm
Receive Current Drain 60 mA.

Compare these numbers with those of other rigs (info stolen from Jim Duffy, KK6MC & Az ScQRPion Kent Torell):

Unit	MDS	2TDR	Blocking
FT101E	142	60	
TS520	132	63	
R390	136	82	
7553B	146	88	<--- Collins 'S' line
radio			
Corsair	128	90	
GQ40	126	90	125
NN1G	132	90	
Nor. 40	136	88	108
Sierra	132	88	100
FT1000	125	95	125
TS930	133	95	
Breed	120	70	90
Hayward	128	95	125 <--- Hayward's
criteria for contest			
Mini R2	136	96	<---- from QST article

The transceiver provides superior dynamic range, while satisfying requirements for both good sensitivity, and moderate current drain.

The product detector has less than 1 dB of conversion loss from RF to baseband. This is because it is not really a mixer, producing both sum and difference frequencies, but rather is a "switching integrator", converting most of the input signal to a baseband detected voltage. Lowered conversion loss means that it may be possible to do without an RF preamp on the higher HF bands and still maintain a good noise figure.

The product detector also has the property of being narrow banded. The detector acts like a bandpass filter centered on the frequency the detector is tuned to. This provides an additional measure of high frequency roll off to the signals that are converted to baseband. This property is unlike any other detector I have worked with and represents "free" additional selectivity.

The detector acts like an open circuit at the frequency it is tuned to. This means that it is no longer necessary to provide a current hungry post amplifier preamp in order to provide a broad band IF termination match across all frequencies to in turn have a high third order intercept. This feature helps keep the drain current of the transceiver to reasonable value.

The detector used in this radio is a new design, based around a 74CBT3253 dual 1 of 4 analog mux. This part is designed for switching microprocessor memory subsystems, and is rated for passing signals up to 300 MHz. I found that it could pass signal of up to 4v pk-pk before distortion.

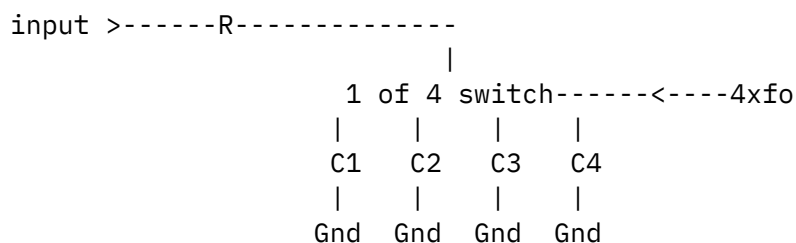
I have dubbed this new product detector the "Tayloe" product detector. Hey, if Gilbert can have the Gilbert cell mixer, I can have the "Tayloe" product detector!

Imagine a R/C low pass filter:



At DC, the C looks like an open circuit, so the output looks like the input. As the input signal frequency increases, C looks more like a short, causing the output to roll off to zero at high frequencies.

Now, imagine using four Cs to ground instead of just one, and imagine a one pole, four position switch continuously sweeping from one C to the next in a continuously rotating pattern:



In the above diagram, the "One of four" switch is sweeping across the caps at a $4xfo$ rate. Each of the four caps "sees" $1/4$ of a cycle of the input signal. If $4xfo$ is set to 28 MHz, each C will see $1/4$ of a cycle of a 7 MHz signal. These little sample "bursts" of RF are averaged or "filtered" by the Cs. If

a signal of exactly 7 MHz is sent into the input, a DC signal will develop across each cap corresponding to the DC average of the RF sine wave seen during that 1/4 cycle.

Anyway, the long and short of it all, is that the voltage across C1 represents the 0 degree detected audio sampling of the input RF signal, C2 represents 90 degree, C3, 180 degree, and C4 270 degrees. I use one op-amp to sum the 0&180 degree voltages to a single In phase (I) signal, and another to sum 90&270 degree voltages to a Quadrature signal (Q).

Also note that just like the R/C low pass filter causes the signal to roll off as the frequency increases, this detector looks like an open circuit to signals that match the frequency it is tuned to. As the signals move further to either side of this tuned detection frequency, the signals begin to roll off at the R/C rate. My detector uses 50 ohms for R and 0.33 uF for the four detection caps. With a detection bandwidth of 2 KHz at 7 MHz, the detector has an equivilent "Q" of 7MHz/2KHz or 3500!

Having an Inphase (I) and Quadrature (Q) audio sampling of the RF input signal, these two signal can be combined to provide a single image DC receiver. The current receiver as greater than 45 dB of opposite sideband supression.

This single circuit replaces an RF splitter, two mixers (both I&Q), and a 90 degree RF phase delay while being able to handle very large signal levels, in this case 4v pk-pk.

The receiver is therefore a simplified "R2" single image, direct conversion receiver. I shamelessly stole parts of his audio phasing design in order to get the audio 90 degree delay necessary for single image reception.

On the other hand, the transmitter has been likewise greatly simplified and currently consists of two NAND gates and a MOSFET. The transmitter puts out 0-5w of adjustable power at 12v, up to 6.5w at 13.8v.

This transceiver can be made to use only one tuned circuit, the low pass filter for the transmitter. This it is reletively easy to construct very high performance, multiband designs. Bands that differ by powers of two such as 80, 40, 20 and 10m are exceptionly easy to accomodate. For my first attempt, I will modify my current 40m transceiver to cover both 40 and 80 meters.

Oh, well.... Sorry for the long posting. I guess I got carried away. I will be writing up an article on this design for QRPP,

so watch this spring for additional details.

- Dan Tayloe, N7VE, Phoenix, AZ, Az ScQRPions, QRPL # 696

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Date: Tue, 20 Oct 1998 06:19:47 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [22679] Voice-Balancing Audio Clipper?
Message-ID: <362C1D73.397F@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Did anybody read the article with the above-mentioned title in QST for July 1998?

I know it's not the April issue, but is it for real?

"The ... clipper has independent levels for the positive and negative audio peaks and serves to compensate for those human voices that are asymmetrical"

I noticed the writer is a professor, but still I find it hard to believe that the human voice would have a DC component.

--
Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Tue, 20 Oct 1998 03:18:36 -0400

From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [22680] Re: resonant speaker headphones?
Message-ID: <19981020.034211.7670.2.N2TPA@juno.com>

Sam,

I LIKE IT!! Any ideas where one could obtain these headphones? I haven't flown since I left the Air Force, 6 or 7 years ago.

Bill W2EB

Sam Billingsley writes:

>> Oh my question is: Anyone tried to make a pair of headphones out of
>> those a pair resonant speaker tubes? might look a little silly but
>who
>> cares?
> . What about a
>better
>implementation!
>
> While on a trip recently I was looking at the el cheapo
>plastic
>(passive air tubes) headphones you plug into the seat to hear the
>movie. I
>was thinking if you just drill a hole(s) into the side of the tube
>chamber
>and plug in these (sound tubes) headphones then you can get the sound
>to
>both ears and not have the hold the tube(s) on you head. Anyone tried
>this?
>If so, let us know.
>
> Sam Billingsley AE4GX Atlanta, GA
>
>
>

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Date: Tue, 20 Oct 1998 04:41:44 -0400 (EDT)
From: malman@world.std.com (joel malman)
To: qrp-1@Lehigh.EDU
Cc: malman@world.std.com (joel malman)
Subject: [22681] Fall ARCI QSO Party
Message-ID: <199810200841.AA03660@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

I was looking foward to this 'Test' .. I really wanted to do a lot better score-wise than I did last Spring. Since there is no new hardware in the shack (I'm just dreaming of the K2 so far), the only way to improve the score, is to become a better operator.

In the Spring QSO Party I had under 120 Q's. I knew I could do better. This time, I was going to try for 200 Q's! I did not make that, but ended up with 190 Q's. Here is the summary for K1QM.

Band	Pts	SPC's
=====		
160	0	0
80	123	12
40	235	20
20	233	26
15	203	28
10	43	8
=====		
Totals	837	94

Final score: 550,746.

It's funny though, I never did work as many new SPC's as I thought I should. I just seemed to work the same SPC's over and over again. Maybe the best way to work more SPC's is to do more S+P than trying to run stations. Ahhh, there is still much to learn about this 'contesting' thing.

In the most unusual Q department: I worked a G3 station (for 4 points) on twenty meters, who was running 500 milliwatts for the contest! I did not ask about his antenna setup, but boy, he has lots of guts!

Harvey, your station had the loudest West coast signal I heard the whole weekend. It was fun to catch you on 40, 20 and 15. I listened for you on 10, but never heard you.

In any event, I had a great time, and am going to get those 200 Q's,
next time!

--

/joel K1QM (Ex-wa1qvm) Concord, Mass.
QRP-L 337, QRP-ARCI 9305, NorCal

Date: Tue, 20 Oct 1998 05:17:11 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: George Gingell <k3tks@u1.abs.net>
Subject: [22682] The "QRP CANNON"
Message-ID: <Pine.BSI.3.96.981020043507.13137C-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The "QRP Cannon", A Resonant Speaker For CW Operation

[The QRP Quarterly July 1993, Page 6]

George D. "Danny" Gingell, Jr. K3TKS
3052 Fairland Road
Silver Spring, MD 20904

This speaker is my version of a Resonant Speaker for CW listening. The idea was suggested to me by Wally Millard, K4JVT, (SK) based on an article origionally published years ago in QST. (May also appear in Hints & Kinks)

It's constructed out of 2" PVC pipe and fittings so the materials are easy to come by. The tuning plug is made out of a 1-1/2" length of broom handle (1" dowel) with four 1/4" deep slots sawn the length of the dowel. Each of these slots is fitted with a 3/4" X 1-1/2" piece of sheet aluminum or printed circuit board material.

The PVC plug has a 1/8" hole drilled in it's end to pass the speaker cord out of the assembly. The 2" speaker rim is slightly larger than the PVC threads and will need to be ground and filed slightly so that it may be screwed into the adaptor. When assembling the speaker, be sure to include a strain relief knot in the speaker cord between the speaker and the PVC plug. (a figure eight knot works fine).

I wound a loop of #6 Insulated Ground Wire around the length of

PVC pipe and used the protruding ends to fashion a pair of mounting feet.

The wire stands the speaker up at one end so the nickname "QRP Cannon" is self-evident when you view the finished product.

To use the QRP Cannon, simply adjust the plug assembly in or out of the barrel to set the peak response frequency. I've chosen 750 Hz but there's no reason you couldn't select your favorite. You'll need a longer pipe, of course, if you prefer a pitch much below the one I've chosen. This is a narrow filter and really cleans up QRM!

Parts List:

- 1 piece of 2" PVC Pipe 5-1/4" long
- 1 2" PVC Adapter (Converts to threaded pipe)
- 1 2" PVC PLUG (matches the adapter)
- 1 2" Speaker (Your choice, but try to find one with thin rim)
- 2 3-4 foot length of wire with moulded 1/8 plug on the end
(Cheap headphones are a good source) (Something to match your rig)
- 1 18" length of #6 Ground wire (Solid Conductor)
- 1 1-1/2 Length of Wood Dowel (Piece of Broom Handle works fine)
- 4 pieces of 3/4" X 1-1/2" pieces of Aluminum, PCB or Tin/Sheet Metal

Optional additions:

- 2 Diodes for adding the Limiter internally.
- 1 2" PVC Adapter (7/32" hole drilled in end to receive 1/4" tubing connector for Stethoscope connection)
- 1 1/4" copper pipe or stiff plastic tubing 1-2" to be determined by experiment.
- 1 Stethoscope (Removed from inexpensive blood pressure cuff)

If any one can't figure it out with out a picture, drop me a note and I will make you a copy of the diagram.

I would also love to hear from anyone who trys the additional Headphone Adapter.

Sir George, The First :^)

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Date: Tue, 20 Oct 1998 05:22:32 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [22683] Re: PVC Audio Filter/QRP CANNON
Message-ID: <Pine.BSI.3.96.981020041023.13137B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have found this topic very interesting reading. I am reminded to review my Article about building the "QRP Cannon" which I wrote for the QRP ARCI Quarterly Journal back in July 1993, page 6. I will follow up with the text for those who may not have that issue handy. Sorry, I don't have it in stock either. I could probably run off some reprints later if desired.

It is actually quite simple to make and very effective to use. I can not explain the Acoustical Theory, just the practical application and construction. My version of this popular idea takes the form of a "QRP CANNON" actually it looks a bit like a howitzer sitting on the desk.

Someone else mentioned construction of Resonant Tube Headphones. Yes, it will work, I have often used the cannon as a single earphone by just placing it over one ear. It is very effective when listening to a weak signal and there is "Room Noise" such as when operating in the Hospitality Suite at Dayton. :^)

Warning, Use of these with out diode peak clippers in the line can be hazardous to your health. I currently have two hearing aids as proof.

While I haven't actually tried this, one planned modification to the "QRP Cannon" was to construct an adapter to fit on the open end of the PVC Pipe which would take another PVC Adapter and Plug with a small piece of tubing mounted in the end to allow connection of a Stethoscope salvaged from an inexpensive Blood Pressure Cuff, Thus creating the "QRP Cannon Headset"

There is plenty of room inside of the PVC Adapter to include the Diode clamp hearing protection/noise spike limiter.

Sir George, The First :^)

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Date: Tue, 20 Oct 1998 05:37:56 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [22684] WorldRadio Article about Mr. QRP
Message-ID: <001301bdfc0d\$78c9afe0\$405445c6@programs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Everyone,

I just had to mention that the article that WorldRadio Magazine had in the November 1998 issue.

The title was "Mr. QRP" by Rick McCusker, K06DJ. This is a great article about the co-founder of NorCal, Jim Cates, WA6GER. I enjoyed the article very much. If you don't receive WorldRadio Magazine, I would suggest that you try to borrow the magazine or check out the local library and read the story about Jim.

73 & Good DX,
Ron de WB3AAL wb3aal@talon.net

vvv Eastern PA QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern PA QRP #1

Date: Tue, 20 Oct 1998 05:56:11 -0400
From: "david r" <elbc@pivot.net>
To: <malman@world.std.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22685] Re: Fall ARCI QSO Party
Message-ID: <005901bdfc0f\$dee37700\$e01199d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: joel malman <malman@world.std.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, October 20, 1998 4:32 AM
Subject: Fall ARCI QSO Party

>Folks,

>

>I was looking foward to this 'Test' .. I really wanted to do a lot
>better score-wise than I did last Spring. Since there is no new
>hardware in the shack (I'm just dreaming of the K2 so far), the only
>way to improve the score, is to become a better operator.

>

>In the Spring QSO Party I had under 120 Q's. I knew I could do better.
>This time, I was going to try for 200 Q's! I did not make that, but
>ended up with 190 Q's. Here is the summary for K1QM.

>

>	Band	Pts	SPC's
>	=====		
>	160	0	0
>	80	123	12
>	40	235	20
>	20	233	26
>	15	203	28
>	10	43	8
>	=====		
>	Totals	837	94

>

>Final score: 550,746.

Good show Joel,

try using a variety of antennas too. it will get a few extra spc's HI

>

Date: Tue, 20 Oct 1998 10:51:06 GMT
From: n3bj@hotmail.com
To: qrp-1@Lehigh.EDU
Subject: [22686] FS: Kenwood TS-130V
Message-ID: <199810201051.FAA14556@x9.dejanews.com>

For Sale: Rare Kenwood TS-130V, about a 8.5+ out of 10, works perfectly, most stable PT0 I've seen in this series. Copies of owners and service manual, DC cord. Stock unit, no mods. This is a classic QRP rig, hate to let it go, but opportunity on another radio beckons. This is a keeper.

\$400 shipped

Alan, N3BJ

Date: Tue, 20 Oct 1998 07:37:27 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [22687] Fox Tonight!!!
Message-ID: <362C75F7.CB0E4044@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hounds:
Tonight the fox will be me. So see Y'all starting at 10:00 PM EDT.

Happy Hunting,

Tom, kv2x

Date: Tue, 20 Oct 1998 06:50:55 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [22688] RE:Sale:NC40A
Message-ID: <362C791F.A49DE2E7@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry to all the NC40a is gone, I was out of pocket yesterday and could not check in.

73 de w5jay

Date: Tue, 20 Oct 1998 07:29:11 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [22689] No arc contest but 12
Message-ID: <18457-362C8217-390@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

My how times have changed. From zero to tech in TWO days !! I must be dumb. It took me two years of study and working cw on the novice bands to pass the advanced at the fcc office in Dallas. I understand numbers are important but Geeeee !
K1zw

Date: Tue, 20 Oct 1998 08:16:33 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: b2bn@hotmail.com
Cc: qrp-1@Lehigh.EDU
Subject: [22690] Re: Stone Mountain GA hamfest
Message-ID: <199810201319.IAA15146@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I haven't been to this hamfest in several years. (With a local ham store it's a hamfest every day without having to pay to park or pay to get in!) It had a fair size dealer show, but it had the absolute best (bar none) flea market that I've ever been to. A few years back I was able to get a couple of HW-8's (which I'm interested in selling) and a friend bought an HW-9. If it is anything like the ones I went to you won't be disappointed. Also, unless they've moved, Ham Radio Outlet has a store close to the hamfest.

73 Bryan W8LN

Date: Tue, 20 Oct 1998 08:44:39 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@Lehigh.EDU
Subject: [22691] scorpion antenna
Message-ID: <5803-362C93C7-1843@mailtod-132.iap.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

does anyone know about the scorpion wind up antenna/ i accidentally
erased the info.....tnx 73 pat/k8len

Date: Tue, 20 Oct 1998 09:46:27 -0400
From: DNT1@chrysler.com
To: qrp-1@Lehigh.EDU
Subject: [22692] Resonant speaker headphones?
Message-ID: <852566A3.004BA470.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

>WD6BOR@aol.com wrote:

>Of course this leads to an interesting visual image...4 to 6 inch tubes
>extending from the earphones from each side of the head.

How about using a pair of small speakers from old modems? I have had
success with using them for cw oscillators, get really good volume out of
them when sitting on a hard surface. The speakers are about 2" O.D. &
5/16" deep. I put them in a spray can cap with hot melt glue, a few holes
in the top for the sound to get out directly & the backside open for

resonant response. The next step will be to put one in a cap that's got the internal tube in it as well & see if that makes a difference. Maybe if you turn the speaker around, glue it by the magnet only & then use some perfboard to close that cap off you could get a headphone effect. A bit of foam on the perfboard for comfort & you're set to figure out the best way to hang them across your head!

72/73,

Don T. AI4CW QRP-L#1670

Date: Tue, 20 Oct 1998 09:49:00 -0400
From: Bob Confrey <Bob.Confrey@sciatl.com>
To: qrp-l@Lehigh.EDU
Subject: [22693] RE: Stone Mountain GA Hamfest
Message-ID: <980920100225.KAA01735@gatekeeper.sciatl.com>
MIME-Version: 1.0
Content-Type: text/plain

I have been going to the Stone Mountain Hamfest for the last 10 years or so. It is usually pretty good, depending on what you are looking for. Good Flea market, great bone yard (weather permitting). The Atlanta Hamfest that is held downtown in June/July, has been disappointing in the last few years, Stone Mountain always seems better to me. Too bad no QRP activities seem to be going on. I'll be there!

Bob WA1EDJ/4 Monroe, GA.

Date: Tue, 20 Oct 1998 10:05:08 EDT
From: Robsparks@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22694] test- ignore
Message-ID: <51fa745.362c9894@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

test - ignore - thanks

Date: Tue, 20 Oct 1998 08:33:00 -0700 (PDT)
From: "KB0VCC" <kb0vcc@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [22695] Dipole w/counterweight...
Message-ID: <19981020153300.23079.rocketmail@attach1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi,

Thanks to everyone who responded to my dipole question. It is unanimous. The counterweight trick works! I got home from work before dark in time to watch the whole contraption work in the wind. I noticed that the tree, a very twiggy sugar maple, still rubbed on the ropes more than I hoped. So, I thought, hmmm... What if I put the pully and weight at the "fixed" (barn roof) end of the dipole, then use that plastic coated steel cable "dog-run" stuff up thru the tree to tie the 10 or so feet of dacron to, which will then tie to the insulator. That way, the "wire rope" takes the abuse of the tree, sparing the dacron. Then the weight and pully arrangement will be free to move at the barn end. YES, I WILL put a safety line on the weight in case it breaks loose, so it won't fall and kill someone. The dipole will then slide back and forth, but the strain on it should remain constant despite how far the tree pulls on it.

In other news, I tested the current antenna last evening. Heard a nice CQ with a weird call near 7040. Thinking he was QRP, I called him with the OHR-100 @ 4.5w. He gave me a 559, and I gave him the same. Come to find out it was a Special Event station W98ITU in MN. Cool!

And if that wasn't excitement enough for me, I expect my OHR-500 to arrive today or tomorrow. Yeay! Oops, I mean, "cough cough weeze... sorry boss, think I feel a couple of sick days coming on". ;o)

Tnx agn es 72/73!
-Dale

P.S. See you in The Hunt tonight! He's in NY, right?
Single hop for me. He should be my first catch this
season, unless the geomagnetic storm wipes things out
completely...

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

```
-----
DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com
```

```
-----
Date: Tue, 20 Oct 1998 07:41:36 -0700
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22696] Re: Resonant speaker headphones?
Message-ID: <199810201442.HAA29410@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
```

DNT1@chrysler.com wrote:

```
> Maybe if
> you turn the speaker around, glue it by the magnet only & then use some
> perfboard to close that cap off you could get a headphone effect. A bit
of
> foam on the perfboard for comfort & you're set to figure out the best way
> to hang them across your head!
```

How 'bout a pair of hearing protection muffs such as shooters use? The
cheaper kind have the head strap going right into the muff, but for a few
dollars more, you can get the kind where the head strap is connected to an
inverted U attached to the muff at two points. You could use a hole saw to
cut a circle in the end of the muff large enough to hold the PVC resonators
with the 2-inch speakers.

If anyone does it, I want to see pictures!

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people"

Date: Tue, 20 Oct 1998 10:18:38 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [22697] FT-840 AND BITTY/MFJ-1214
Message-ID: <000BF0C2.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Hi gang,

I've been kicking around getting into RTTY again (QRP-style).

Two questions for you:

1. Has anyone used the "BITTY" program with the FT-840? How did you make the cable from the rig to PC? This seems to be the most difficult part about the whole thing.
2. Has anyone used a MFJ-1214 PC interface box? Do they work well? This one seems to do everything I want: RTTY, CW, weather FAX. The software looks nice, too.

Thanks for any info on the above. I really want to start in RTTY!

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Tue, 20 Oct 1998 10:56:12 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22698] Re: resonant speaker headphones? A great idea!
Message-ID: <362CB29C.EFF0A73C@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It might be worth keeping in mind that in a linear system, which hopefully our receiver and our speaker/headphones is, it doesn't matter where in the chain the frequency filtering occurs.

That is, the results being obtained with a simple resonant speaker system (provided that it is not being driven excessively and generating distortion) can be duplicated by using a wideband speaker system and inserting analog or digital (DSP) filtering between (or back in) the receiver and the speaker. Provided, of course, that the filter's frequency response properties are sufficiently close to those of the resonant speaker, which is not all that hard to do with modern DSP filters.

So, before rushing out to hang 6" plastic tubes off our ears, maybe it is worthwhile to investigate how well conventional filters can produce the same or an acceptable result.

I use a JPS NIR-12 DSP unit between my IC-765 and Heil Pro Set phones and find that I can set up the bandwidth such that it is extremely sharp, yet devoid of ringing or other artifacts. A station is either tuned in and audible or it is not! Makes zero-beating the transceiver very easy to do and quite accurate. I suspect that this is very nearly the performance of a tuned resonator, but of course the cost is many times more (bummer!). But, I already have the NIR-12 . . .

Nice thing with such an arrangement is that the response curve (peak frequency) can be moved about at will to favor particular operating conditions and preferences, unlike the essentially fixed-tuned simple mechanical resonator. A constant cw beat note can be very tiring, especially during a long operating session - even a two-hour Fox Hunt! Further, it is less likely that the headset will be overdriven accidentally with too high a signal level and generate distortion that can also be very tiring to the ears.

My only point is that some conventional analog and most digital filters should be able to come very close to providing the enhanced audio selectivity of the tuned resonator for those who do not wish to follow the acoustic route, especially with headphone operation (for the benefit of the family!). And, it doesn't matter that they are placed in the chain before a wideband

speaker/headphone system.

This has been a very instructive and interesting thread, and it shows what the folks on this list can do - I'm proud!

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ARS 10-X 33.2 N 96.6 W EM13RE

Steven Weber wrote:

>

> >WD6BOR@aol.com wrote:

> >Of course this leads to an interesting visual image...4 to 6 inch tubes

> >extending from the earphones from each side of the head.

Date: Tue, 20 Oct 1998 12:09:33 -0400

From: Sam Billingsley <SBillingsley@usaninc.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [22699] RE: Stone Mountain GA hamfest

Message-ID: <21E06269B00ED111BE9B00805F6D0FA3420369@mailserver1.usaninc.com>

MIME-Version: 1.0

Content-Type: text/plain

The Stone Mountain Hamfest is a great place to meet QRPers and pickup some good gear.

But for more QRP activity I would like to extend to you and all QRPers in driving distance of Atlanta an opportunity to visit and participate in the NORTH GEORGIA QRP GROUP (NOGA) quarterly meeting on Nov 14th 11AM to 2PM at the TechAmerica training room in North Atlanta on Buford Hwy just outside of I-285. This is the weekend following the Hamfest. No agenda, No rules and No Dues just alot of QRP fun and information. We typically have 12 to 20 QRPers at the meetings with great show and tell stuff.

Please check out our NOGA WEB PAGE for more details.

<http://www.america.net/~w4qo/nogaqrp.html>

BTW I'll be at the Hamfest with my bright Yellow NORCAL t-shirt on and a ball cap with my call AE4GX. Look for me.

Sam Billingsley AE4GX Atlanta, GA

> -----Original Message-----

> From: DJ Rock [SMTP:b2bn@hotmail.com]
> Sent: Monday, October 19, 1998 10:38 PM
> To: Low Power Amateur Radio Discussion
> Subject: Stone Mountain GA hamfest

>

> Will anyone here be at the stone mountain hamfest November 7-8? I am a
> new ham and this is my first opportunity to go to a fest. I'm looking to
> get my first gear at the fest. It seems to be the consensus of most of
> the older hams I know that I should start with a pre built QRO device so
> as to build contacts and learn my 'chops'. I'm somewhat worried about
> being ripped off, does this happen often? And I know this has been
> asked a thousand time before, but Im looking for suggestions as to
> specific models to look for and what a fair price is for them. Thanks
> for the help, and hopefully I'll see you there.
> DCS KF4ZKN

>

>

> -----
> Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 20 Oct 1998 12:46:50 EDT

From: WD6BOR@aol.com

To: kd1jv@moose.ncia.net, qrp-1@Lehigh.EDU

Subject: [22700] Son of resonant speaker headphones? A great idea!

Message-ID: <a7cea258.362cbe7a@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Why didn't I think of this before? Beer cans! We just glue together enough beer cans to resonate the speakers to our desired frequency. It might sound a little "tinny" but we would be using materials readily available around the shack.

72, Darrel, WD6BOR

(OK, that's my last post)

Date: Tue, 20 Oct 1998 10:57:32 -0600

From: Niel Skousen <nskousen@scientechn.com>

To: qrp-1@Lehigh.EDU, ddm@datatamers.com

Subject: [22701] Hello Dave Mecham
Message-ID: <199810201658.KAA19208@if.scientech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Been trying to get Dave Mecham W6EMD for several days. Anyone have a phone number I can catch him at today ?? Please reply by direct mail, sri for the bandwidth...

Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG, NUSI WA7SSA
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
nskousen@scientech.com DN33wm . . . -z

Date: Tue, 20 Oct 1998 10:04:38 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [22702] QRP-L
Message-ID: <362CC2A6.2E73328@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Help folks,

My copy of daily QRP-L Digests have STOPPED suddenly.
Is a problem at my end or someplace else? Sure miss the digest.
IS everyone else receiving their copy?

Suggestion

Can you add a one line entry with "OWNER EMAIL address",
in every QRP-L digest, to allow me to send help to digest keepers
without having to search for OWNER email address?
Sure would help.

73, W6MIK

--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Tue, 20 Oct 1998 10:13:24 -0700 (PDT)
From: Mike Parkes <ab7ru@yahoo.com>
To: QRP List QRP <qrp-l@Lehigh.EDU>
Subject: [22703] Did anyone see Aurora last night?
Message-ID: <19981020171324.25104.rocketmail@send1d.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On the basis of the reported good condx for Auroral activity I looked for it a few times last night but never saw anything. I am located in Eastern Washington. Anyone else have better luck?
-Mike AB7RU

==
Michael Parkes AB7RU

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 20 Oct 1998 13:08:10 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [22704] Thanks, re: Glass Mounted Antennas 2M Mobile
Message-ID: <199810201713.NAA82670@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Thanks to everyone who replied to my request for feedback on 2M glass mounted antennas.

I printed a stack of messages for my friend. Will pass along the info this evening at our local club's meeting.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Tue, 20 Oct 1998 10:16:13 -0700
From: Terry Conboy <terry.conboy@airtouch.com>
To: qrp-1@Lehigh.EDU
Cc: Arjen.Raateland@vyh.fi
Subject: [22705] Re: Voice-Balancing Audio Clipper?
Message-ID: <4.1.19981020095250.009e3790@mailhost.tnc.airtouch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:19 AM 10/20/98 +0000, Arjen.Raateland@vyh.fi wrote:
>Did anybody read the article with the above-mentioned title in QST for
>July 1998?

>"The ... clipper has independent levels for the positive and negative
>audio peaks and serves to compensate for those human voices that are
>asymmetrical"

>I noticed the writer is a professor, but still I find it hard to believe
>that the human voice would have a DC component.

This is a real issue, and one that has had much attention from AM
broadcasters. Hook a microphone up to a scope, and look at your own voice.
You'll typically see that the positive and negative peaks are at much
different levels. With my voice on some mikes, the difference is 2:1 (6 dB).

There isn't a DC component, since the polarity with the higher peaks just
has a shorter duration. I don't think a microphone's output could have a
DC component, anyway.

Broadcasters have used devices such as the "Symmetrapeak", for which I have
a copy of the patent (Leonard Kahn, as I recall, is the patent holder). It
is just an all-pass filter with phase delay that varies with frequency. It
serves to scramble the phase of the different speech components and really
does even out the positive and negative peaks.

There are also audio peak limiters that monitor the levels of the two
polarities and reverse the audio polarity as needed to make the positive
peaks the highest. This permits an AM transmitter to run more than 100%
modulation on positive peaks while holding the negative peaks at 100%.
Depending on the voice characteristics, this can sometimes introduce

annoying clicks or pops when doing the 180 degree phase flip.

For QRP SSB operation, I don't think any of this matters. The audio phase relationships of the speech no longer hold when they are shifted to an IF or RF output (such as in the classic square wave input to a SSB transmitter). I spent some time experimenting with this in the 70's, and couldn't see any difference in average SSB power (for a given PEP limit) when I reversed polarity or used the "Symmetrapeak" circuit. Use a SSB IF clipper for speech processing instead; they really work well.

72, Terry

--

Terry Conboy <http://www.qsl.net/n6ry> Tel: +1-925-210-3475
N6RY CM97aw terry.conboy@airtouch.com Fax: +1-925-210-3469

Date: Tue, 20 Oct 1998 18:41:59 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: qrp-1@Lehigh.EDU, gqrp-1@blacksheep.org
Subject: [22706] FAQ: Best backpacker antenna
Message-ID: <E0zVfmQ-00048y-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I intend to start a FAQ on various topics and add them to my web site. As one of the most popular ones is: 'Which is the best antenna for portable (backpacking) use?'- this will be the first topic. So what is your preference and why?

Please email me (g3ycc@g3ycc.prestel.co.uk), *not the qrp lists* with your ideas. I will use your message/s in the FAQ, then folk can make up their own minds. Your call sign will be included of course. Please give this subject some thought and reply, your ideas will I am sure, be valued by beginners and old timers alike.

Please use FAQ in your subject line, this will assist me.

The next FAQ will be about favourite kits, but let's do the above first!
Thanks.

I'm one of those crazy guys that never throws anything away and never thought that I would use those crazy little air-powered earphones that I bought on the airplane.
I just plugged them into the resonant chamber and WALLA! It works
dave ab5pc fresno, ca.

Date: Tue, 20 Oct 1998 13:57:24 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [22708] N4BP ARCI Party
Message-ID: <Pine.3.89.9810201329.A436-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Content-Transfer-Encoding: QUOTED-PRINTABLE
Content-Transfer-Encoding: QUOTED-PRINTABLE

[illegible]

artwork with a garden variety black light bulb. Then wash it with the chemical you get from Active Electronics. I totally gave up on all of the other systems. No competition.

73 de Jim, W7LS

Ben Pooley wrote:

>

> At 11:41 18/10/98 -0700, you wrote:

> >Hi. I have used several systems. I gave up on all but the photosensitive

> >type that comes presensitized. The iron-on systems have poor resolution.

> >They stretch, move, etc.

>

> Thank you for your input. I'm afraid you are right, tho' it would be nice

> to use unsensitized board and not bother about darkroom techniques.

>

> About half replies claimed to get good results with the transfer system,

> but don't know what resolution they had tried. Others agreed with you.

>

> 73, Ben VE1AHX

Date: Tue, 20 Oct 1998 11:10:59 -0700 (PDT)

From: KC5TJA <kc5tja@topaz.axisinternet.com>

To: qrp-1@Lehigh.EDU

Subject: [22710] Fading comebacks that didn't exist

Message-ID: <Pine.LNX.3.96.981020103723.25325C-100000@amethyst.axisinternet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello!

I was calling CQ on a number of frequencies between 7139 and 7144, as noise levels permitted. I tried hard to stay on 7140 as indicated on my message last night. I also temporarily ventured down towards 7130 to 7135, which was pretty quiet where I lived too. However, it wasn't long before a commercial station took those frequencies over.

To make a long story short, I got zero comebacks. :)

Nonetheless, I don't blame myself or anyone else, for that matter, as I've made a few observations last night.

At first, I thought that nobody was hearing me because nobody was monitoring the frequencies that I was on. (see note below) However, when I later heard, quite loudly, "K K", I knew right away that someone was on frequency. Or were they? I called CQ four more times, with no response.

Then, very slowly, a QSO in progress faded out of obscurity, long enough for me to hear an exchange between two parties. It appeared to be a traffic net -- TONS of Q signals being exchanged on 7144. However, before I could get any callsigns, they faded back into the noise, never to be heard from again.

This happened to me a total of about six or seven times between 7139 and 7150. Eventually, I just gave up, and went to bed. :) I even heard a JA1*** callsign, but it faded out after the 1. Man, was (s)he WEAK! I called CQ anyway, but to no avail.

As I lay in bed, listening to 7140 (the RF noise is an excellent relaxation tool!), I noticed that, after a few hours, the RF noise started to get louder and louder. Then it remained rather loud for about 10 seconds, and then slowly started to fade again. I got curious, and started to scan the band (as much as I could in an SW-40+ :)). And I found out that this "ball o' noise" was traversing the band very slowly, towards higher frequencies. Any ideas as to what THAT is? It doesn't sound like it's man made -- too irregular. Several hours later, I found that ball o' noise moving towards the lower frequencies as well.

Anyway, that's my report for last night. I'll keep trying tonight.

NOTE:

Right now, my SW-40+ tunes from 7130 to 7168 total. I'll likely be installing a 22pF capacitor, as per the SW-40's instructions, to bring that down to 7100 to 7130 or so. When I do that, I'll try to call on 7110 as much as possible (unless it's being used for Fox hunting -- please let me know ahead of time!). If I don't get the chance, I'll continue to stick around 7140.

```
=====
KC5TJA/6      |                               -| TEAM DOLPHIN |-
DM13          |                               Samuel A. Falvo II
QRP-L #1447   |                               http://www.dolphin.openprojects.net
Oceanside, CA |.....
```

Date: Tue, 20 Oct 1998 12:13:12 -0600
From: Niel Skousen <skousen@srv.net>
To: ab7ru@yahoo.com, qrp-l@Lehigh.EDU
Subject: [22711] Re: Did anyone see Aurora last night?
Message-ID: <199810201814.MAA04914@srv.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Looked in Idaho Falls, SE-Idaho
Nothing here...

Niel

At 10:13 AM 10/20/98 -0700, you wrote:

>On the basis of the reported good condx for Auroral activity I looked
>for it a few times last night but never saw anything. I am located in
>Eastern Washington. Anyone else have better luck?

>-Mike AB7RU

>

>

>==

>Michael Parkes AB7RU

>

>

>

>

>

>-----
>DO YOU YAHOO!?

>Get your free @yahoo.com address at <http://mail.yahoo.com>

>

Date: Tue, 20 Oct 1998 14:20:40 -0400

From: Sam Billingsley <SBillingsley@usaninc.com>

To: dave_epps@juno.com, "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [22712] RE: Reasonant Speaker Earphones

Message-ID: <21E06269B00ED111BE9B00805F6D0FA34203D4@mailserver1.usaninc.com>

MIME-Version: 1.0

Content-Type: text/plain

Way to go Dave. I thought it might work but didn't have a set to try. Can you tell us how much the off frequencies are attenuated? Little, some, gone? Any ringing? Tone clear,muffled? Please describe you "resonant chamber" and speaker hookup.

>>>> snip >>>

> thought

> that I would use those crazy little air-powered earphones that I bought

> on the

> airplane.

> I just plugged them into the resonant chamber and WALLA! It works

> dave ab5pc fresno, ca.
>>> snip >>>

Sam Billingsley AE4GX Atlanta, GA

Date: Tue, 20 Oct 1998 12:18:54 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'Wilford D. Lindsey'" <70511.3041@compuserve.com>, "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [22713] RE: FOX - HELP
Message-ID: <01BDFC23.CFDF1340.bmug@gw1.com>

Its less than 8 hours until FOX time and no details yet. Anybody hear anything?
de KB0ROL, Brad

-----Original Message-----
From: Wilford D. Lindsey [SMTP:70511.3041@compuserve.com]
Sent: Monday, October 19, 1998 8:06 PM
To: INTERNET:bmug@gw1.com; +Doc W.D. Lindsey/K0EVZ
Subject: FOX - HELP

Brad:

Have *still* seen no posts fro either FOX. Hope they observe the rules
about a list-minute posting :-). Good luck.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Tue, 20 Oct 1998 11:29:23 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: fgrig@iea.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22714] Re: Resonant speaker headphones?
Message-ID: <362CD683.746B3A55@rakefet.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Frank Grigaliunas wrote:

> How 'bout a pair of hearing protection muffs such as shooters use?

Someone mentioned this before, but it was such a good idea I'll repeat it: instead of trying to get the resonant filter in the phones themselves, why not just make a resonator -- a tube with a speaker in it -- that feeds a 'stethoscope' of some sort? That way the phones themselves can be light and comfortable. Telex used to make a headset with just one driver on one side and a plastic tube feeding the other ear.

You could make the resonator adjustable with a knob, and you'd have a variable filter.

Vic, K2VCO
Fresno CA

Date: Tue, 20 Oct 1998 11:08:58 -0300
From: w4bld@juno.com
To: qrp-1@Lehigh.EDU
Cc: boatanchors@theporch.com
Subject: [22715] Nixie Tubes
Message-ID: <19981020.110946.3326.15.w4bld@juno.com>

Gang - I have a number (probably 8 or 10) of Burroughs 6844A's if anyone needs them. I also have three (or more) sockets. I post this only because there have been a number of posts about nixies lately and I found them in on of my many recent cleanups. Thanks, Bob

Robert B. Kerby - W4BLD
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980
(540) 942-4356
(I collect Gonset, Morow and Elmac)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 20 Oct 1998 14:53:45 EDT
From: Bigbob97@aol.com
To: QRP-L@Lehigh.EDU
Subject: [22716] Crystal oscillator
Message-ID: <356d49a3.362cdc39@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,
I've found a 100 Kc crystal in the junk box and bread boarded the "typical" crystal oscillator circuit in the handbook. Tried it with the 2N2222 and with 2N3904 - no output and about 3 ma current draw. So I ripped that out and tried using a 74L00 - used 1K feedback resistors and .1 mfd between the gates (amplifiers?) of the IC - fed that into a third gate and left the fourth gate floating. This configuration works great with 7.2MHz crystal and 1.3KHz crystal and just about any HF crystal in the junk box - BUT still will not oscillate with that 100 Kc crystal ! Does anyone have any suggestions? I will change the resistors next - I already tried changing the capacitor to .01 to no avail. Is there a bottom limit to the operating frequency of the 74L00 ? thanks for your thoughts.
73,
Bob WB2DHK in Jersey City, NJ

Date: Tue, 20 Oct 1998 14:54:10 EDT
From: WD6BOR@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22717] More zombie movies
Message-ID: <baa65f93.362cdc52@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear fellow Zombies,

I just rediscovered another "return from the dead" movies on the Turner Classic Movies channel on cable. It is "Return of Dr. X" and is the only horror movie Humphry Bogart ever made. After seeing the movie, you can guess why, but for an old movie buff like me it was an enjoyable 62 minutes. Standard '40's detective/murder fare with a twist, stylishly done by a big

studio.

Keep your eye out for it!

72, Darrel, WD6BOR

Date: Tue, 20 Oct 1998 15:07:58 EDT
From: Shepherd@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22718] Re: Fading comebacks that didn't exist
Message-ID: <516d5421.362cdf8e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Sam,
If time permits after the Fox Hunt I'll put an ear for you. If not then
Wednesday night.

72, 73
Dan, N8VZU
QRP-1 #1404
FISTS #4985
ARRL member
Collector of all things Pepsi

Date: Tue, 20 Oct 1998 11:55:22 PDT
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: ab7ru@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [22719] Re: Did anyone see Aurora last night?
Message-ID: <199810201855.LAA17031@pal.ECE.ORST.EDU>

Mike,
I checked at 11pm and at 2am from Western Oregon (Corvallis).
Nothing sighted here either.

Roger Traylor
WB4TPW

> On the basis of the reported good condx for Auroral activity I looked
> for it a few times last night but never saw anything. I am located in
> Eastern Washington. Anyone else have better luck?

> -Mike AB7RU

>

>

> ==

> Michael Parkes AB7RU

>

>

>

>

>

> -----
> DO YOU YAHOO!?

> Get your free @yahoo.com address at <http://mail.yahoo.com>

>

>

>

Date: Tue, 20 Oct 1998 14:33:02 -0400

From: Michael Maiorana <mikemo@ibm.net>

To: kc5tja@topaz.axisinternet.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [22720] Re: Fading comebacks that didn't exist

Message-ID: <362CD75E.14AE81EA@ibm.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Perhaps the geomagnetic storm / CME from last night? I listned on 20
last night and it was pretty dead here.

KC5TJA wrote:

> However, before

> I could get any callsigns, they faded back into the noise, never to be

> heard from again.

--

72 de ku4qo

Mike Maiorana

Palm Harbor, FL

Date: Tue, 20 Oct 1998 14:28:46 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [22721] norcal key kit
Message-ID: <199810202028.0AA17700@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A friend of mine with out access is interested in a norcal key kit. If you have an extra to get rid of please let me know and I will forward to him. Thanks Roy AB7CE

Date: Tue, 20 Oct 1998 11:34:52 -0700
From: Grant Taylor <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [22722] "I'd sure like to be in that picture!"
Message-ID: <362CD7CC.7CA4@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The June QST cover had a pix of a KC7 operating QRP/portable from his tent in Montana... Inspired by that, I have had three pictures from our Yosemite trip put on my web page. Down in the section on QRP gear is a line beginning "Yosemite QRP expedition... . There are three pix there. I failed to get an action shot of N6RY (ran out of film as well as out of batteries!) but at least there is an 'evidence' shot of him. The pix 'path to EU' just didn't come out well at all. The feeling of depth overlooking the massive hole that is the Tuolumne R. canyon just didn't come through. Anyway, that's my show and tell for my summer vacation...

Easy questions: what rig is GT using? What band?
Harder question: what time of day was it taken?

--
Grant K7GT Pleasanton CA k7gt@qsl.net <http://www.qsl.net/k7gt>

Date: Tue, 20 Oct 98 15:49:48 EDT
From: jeverhar@cse.l-3com.com
To: bmug@gwl.com
Cc: qrp-1@Lehigh.EDU
Subject: [22723] RE: FOX - HELP
Message-ID: <9810201949.AA03924@train11.cse.l-3com.com>

Brad, you wrote:

> From owner-qrp-1@Lehigh.EDU Tue Oct 20 15:51:16 1998
> Date: Tue, 20 Oct 1998 12:18:54 -0600
> Reply-To: bmug@gwl.com
> Sender: owner-qrp-1@Lehigh.EDU
> From: Brad Mugleston <bmug@gwl.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: RE: FOX - HELP
> X-To: "'Wilford D. Lindsey'" <70511.3041@compuserve.com>, "'qrp-1'" <qrp-1@Lehigh.EDU>
> X-Mailer: Microsoft Internet E-mail/MAPI - 8.0.0.4211
> X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
> Content-Length: 568
>
> Its less than 8 hours until FOX time and no details yet. Anybody hear anything?
> de KB0ROL, Brad
>
> -----Original Message-----
> From: Wilford D. Lindsey [SMTP:70511.3041@compuserve.com]
> Sent: Monday, October 19, 1998 8:06 PM
> To: INTERNET:bmug@gwl.com; +Doc W.D. Lindsey/K0EVZ
> Subject: FOX - HELP
>
> Brad:
>
> Have *still* seen no posts fro either FOX. Hope they observe the rules
> about a list-minute posting :-). Good luck.
>
> 72/73,
> --Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
> MWBC
> 519-16th Street SE
> Rochester, MN 55904
> 507/289-5108 (eves)

Ah but there *was* a posting earlier today! Basically all he said was that he will be there at 10 pm East Coast time!

Or am I imagining things?

72/73,

Joe E., N2CX

Date: Tue, 20 Oct 1998 15:54:18 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: bmug@gw1.com, qrp-1 <qrp-1@Lehigh.EDU>
Subject: [22724] Re: FOX - HELP
Message-ID: <362CEA6A.919D5994@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brad,
The fox will be on the air as per schedule.

GL es hpe to cu all

Tom, kv2x

Brad Mugleston wrote:

>
> Its less than 8 hours until FOX time and no details yet. Anybody hear anything?
> de KB0ROL, Brad
>

Date: Tue, 20 Oct 1998 13:12:02 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [22725] G3RJV Six-Pack Missing Boards
Message-ID: <01bdfc65\$e70c95a0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Only one hundred of the two hundred boards that we ordered for Pacificon arrived in time to be given away. We passed out cards to the next 100 and asked that they fill them out with their mailing address and we would mail them the boards when they arrived. Not the best solution, but it was the

best idea that we came up with. Naturally boards arrived on Monday. Another 34 sets. These have been put in a padded envelope, the filled out cards taped to the envelopes, my return address stamped on the envelope, and they will be mailed today. But, 32 of you did not give me the filled out yellow card so I won't be able to mail you the boards until you return the card to me. If you have a yellow card from Pacificon that came with your compendium, please mail the filled out card to me and I will return your circuit boards by return mail. The rest of the boards will be mailed as soon as I receive them.

I must comment that it is much easier to do with the pre-addressed cards. As a hint, the next time you order something from anyone, take a 3 x 5 card, cut it in half, write your address legibly on it and insert into the envelope with your order. Believe me it will be really appreciated on the other end.

Who will be the first to report back to the list on the six-pack projects that they built? Let us know how they work. 72, Doug, KI6DS

Date: 20 Oct 1998 16:06:51 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [22726] SMALL resonant speaker - webpage
Message-ID: <1998Oct20.160651-0400@[130.113.234.7]>

Gang,
Have added a webpage to elmer101 material on my website showing some theory, and an example (image) of an acoustically resonant speaker:
<http://epic.mcmaster.ca/~elmer101>

Its at the bottom of the bullet list.
Glen VE3DNL leinwebe@mcmaster.ca

Date: Tue, 20 Oct 1998 16:24:52 EDT
From: we6w@juno.com (Ed Loranger)
To: qrp-l@Lehigh.EDU
Subject: [22727] Resonant speakers /Tape and building materials.
Message-ID: <19981020.132110.4879.1.we6w@juno.com>

Gang, I'm fighting a headache since after Pacificon.
All the rush must've shorted a few neural nets --
made it thru work Monday, but not today. (Some
may argue them neural nets were destroyed long
ago -- Ask ur fellow Pacificon friends :) :)

(Note:some keywords described below with **)
Anyway, last night while remissing from pain,
I discovered a neat method to couple two pipes
and adjust the volume of air with Plug-ins. Also
discovered a method of phasing that results in
a Breathing Whistle for CW (OOK for purists :)

But during all this experimentation I was using
what packing tape I had that was left over from
all them Charger Deals I made and the plastic
tape was somewhat useful, but sure wasn't DUCT Tape!

So sent the XYL out for DUCT TAPE. "Babe, I want the
industrial, top-o-da-line Stuff. We're talking wide,
thick -- the real McCoy! Don't buy that "other" stuff,
slick and thin....

HOMERUN! For under \$9.00 at Costco (No association with), she
got "Nashua 398 Industrial" (QRO TAPE!) UL 723, ASTM E84-91A
Rated for Flame Spread & Smoke Development. Hud/Boca Codes.
11 Mil thick! 3 Pack, 2 In. x 60 Yards EACH! (Made in USA)
Surely good enough for QRP use ;D Demanding, aren't we!

So the resonant chambers will be tighter and the fit shall
be true. And the output port shall be 1/100th the volume
of the following chambers: <Trade Secret> Hee, hee...

Aaah, the tools of prototyping. Did I mention Hacksaw, metal
ruler, PCB material, Proto-board paterial with holes, PVC
pipe, 3/8 Inch AL Tubing, and 180 deg. custom coupler I designed.
Oh, and there's a speaker in there somewhere :) <vbg>

Did I mention she also brought me some Anchovies! Ahh,
the necessary tools for development....

"72"/Audio Ed, WE6W/QRP/ es aspirin...

** Codes:

CW -- Continuous Wave (Doh)

Doh -- Homer Simpson's "It is obvious I'm silly" remark.

Simpsons -- Cartoon TV show in USA...

(Darn! I'll stick with the program here.)
 OOK On/Off Keying
 XYL -- Formerly Unmarried Young lady :)
 Real McCoy -- Historic Term dealing with Immitation Quality.
 Homerun -- Baseball game term describing hit ball flying over far fence.
 trade secret -- Invention of such magnitude requiring Safe storage.
 Aspirin -- Pain Reliever.
 Audio Ed -- Goodbye from me!!!!
 Ha, ha, ha, ha, ha,!!
 72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
 Enjoying Ham Radio every day! Santa Rosa, CA.

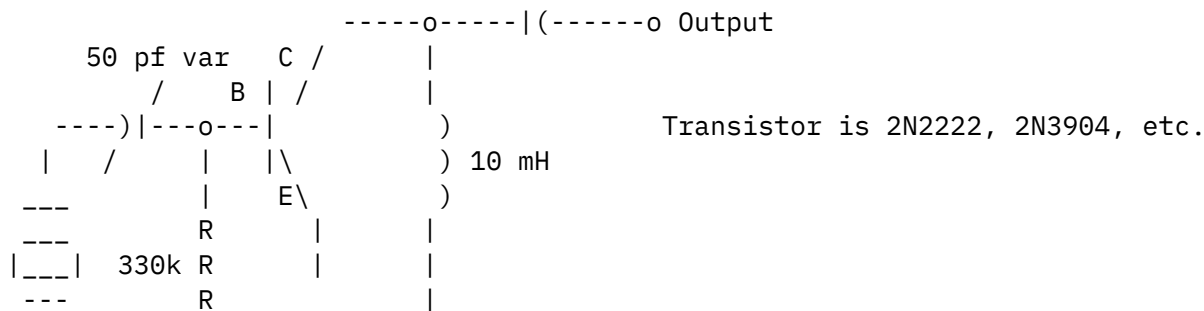
 You don't need to buy Internet access to use free Internet e-mail.
 Get completely free e-mail from Juno at <http://www.juno.com>
 or call Juno at (800) 654-JUNO [654-5866]

 Date: Tue, 20 Oct 98 16:19:28 EDT
 From: jeverhar@cse.l-3com.com
 To: bigbob97@aol.com
 Cc: qrp-l@Lehigh.EDU
 Subject: [22728] Re: crystal oscillator
 Message-ID: <9810202019.AA03963@train11.cse.l-3com.com>

Bob,

The 100 KHz quartz crystals have very differemnt characteristics than the usual HF jobs. Here's a circuit from the 1969 ARRL Handbook that I have used successfully in the past so I know it's good! I have also used these rocks with logic gates in multivibrator configurations though the circuits are not immediately at my finger tips. I'm sure others have the handy.

12 pf



| | - | 2700
--- | -----o-----RRRR----o 9V
- -

The only really oddball component in it is the 10 millihenry choke!

Good luck!

72/73,

Joe E., N2CX

Date: Tue, 20 Oct 1998 14:31:12 -0600
From: Jeff Johnson <jeff@san-dc.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [22729] Looking For Roller Inducters
Message-ID: <3.0.32.19981020143111.009e9c50@san-dc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am looking for two identical roller inducters. If anyone has two matching roller inducters and is willing to sell them, please let me know.

Thank you!

Jeff Johnson
KJ7LO

AZ ScQRPions

Phoenix, Arizona

Date: Tue, 20 Oct 1998 16:31:34 -0400
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [22730] QRP Pactor ???
Message-ID: <0cc3b09342014a8UPIMSSMTPUSR02@email.msn.com>

I have been involved in Qrp now for about 5 years and I am looking to explore the digital areas. Is there anyone on the board here that has

Pactor or Pactor II experience. I read or heard that low power levels are required, which would be a neat addition to the shack here. A Qrp pactor station. Any ideas for a Tnc...under \$300.....or software...thanks Greg.
kb2qqm

Date: Tue, 20 Oct 1998 15:32:28 -0500
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [22731] RE: Crystal oscillator
Message-ID: <000201bdfc68\$c19be660\$d8016f81@muenzlerk.uthscsa.edu>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Are you sure that the crystal works? Those 100kc (any low frequency crystals) are VERY fragile because of the physical size of the wafer. I've dropped them from a few inches to the surface of a table and killed them.

Kevin, WB5RUE

ps, try a 4001 or 4011 instead. Higher impedance, sometimes CMOS will work when a TTL won't.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Bigbob97@aol.com
> Sent: Tuesday, October 20, 1998 1:54 PM
> To: Low Power Amateur Radio Discussion
> Subject: Crystal oscillator
>
>
> Hi,
> I've found a 100 Kc crystal in the junk box and bread boarded
> the "typical"
> crystal oscillator circuit in the handbook. Tried it with
> the 2N2222 and with
> 2N3904 - no output and about 3 ma current draw. So I ripped
> that out and
> tried using a 74L00 - used 1K feedback resistors and .1 mfd

> between the
> gates (amplifiers?) of the IC - fed that into a third gate
> and left the fourth
> gate floating. This configuration works great with 7.2MHz
> crystal and 1.3KHz
> crystal and just about any HF crystal in the junk box - BUT
> still will not
> oscillate with that 100 Kc crystal ! Does anyone have any
> suggestions? I
> will change the resistors next - I already tried changing the
> capacitor to .01
> to no avail. Is there a bottom limit to the operating
> frequency of the 74L00
> ? thanks for your thoughts.
> 73,
> Bob WB2DHK in Jersey City, NJ
>
>

Date: Tue, 20 Oct 1998 20:37:08 +0100
From: wd3p@juno.com (Larry Cahoon)
To: n4bp@bc.seflin.org, qrp-1@Lehigh.EDU
Subject: [22732] Re: N4BP ARCI Party
Message-ID: <19981020.203709.3998.1.wd3p@juno.com>

>On Tue, 20 Oct 1998 13:57:24 -0400 (EDT) Bob Patten <n4bp@bc.seflin.org>
writes:

> QRP ARCI CONTEST

> Moved a bunch of guys from band to band and surprised them. Most
noteable was KN1H.

>When we went to 10M, he was S9+20! Had to leave for work at 2PM

> 73,
> , ' ' ' ,
> Bob Patten, N4BP (0 0) Plantation,

This is a great idea for getting the score up and increasing the
multipliers. Works great in the NA QSO party and is actively encouraged
there. Once got ND on 160M, 80M and 40M there playing that game. Sure
helps too if you are working for 5BWAS.

73/72 de Larry.....WD3P in MD

WAS - 18.6 Watts total power out.

Worked all US Counties with an average power of 53.7 Watts and
falling.....
<http://www.erols.com/lejek>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 20 Oct 1998 16:08:24 -0500
From: W5TB <w5tb@SoftHome.net>
To: WD6BOR@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22733] Re: More zombie movies
Message-ID: <v04011703b252aa9e2325@[10.4.12.142]>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Zombies -- you want Zombies? How about these....

-)
 - 1.Zombie 90: Extreme Pestilence (1991) (V=
- 2.Zombie Bloodbath (1993)
 - 3.Zombie Brigade (1986)
 - ...aka Night Crawl (1986)
 - 4.Zombie High (1987)
 - ...aka School That Ate My Brain, The
- (1987)
 - 5.Zombie Island Massacre (1984)
 - 6.Zombie ja kummitusjuna (1991)
 - ...aka Zombie and the Ghost Train (199=
- 1)
 - 7.Zombie Nightmare (1986)
 - 8.Zombie Ninja Gangbangers (1997) (V)
 - ...aka Bangers (1997) (V) (cut version=
-)
 - ...aka Zombie Ninja, The (1997) (V)
 - 9.Zombie Vs. Ninja (1987)
 - ...aka Zombie Revival: Ninja Master
- (1987)
 - 10.Zombies (1964)
 - ...aka I Eat Your Skin (1971)
- (reissue title)

- ...aka Voodoo Blood Bath (1964)
- ...aka Zombie (1964)
- 11.Zombies of Mora Tau (1957)
 - ...aka Dead That Walk, The (1957)
- 12.Zombies of the Stratosphere (1952)
- 13.Zombies on Broadway (1945)
 - ...aka Loonies on Broadway (1945)
- 14.Astro-Zombies (1969)
 - ...aka Space Vampires, The (1969)
 - ...aka Space Zombies (1969)
- 15.White Zombie (1932)
- 16.Nympho Zombie Coeds (1993) (V)
- 17.Hot Wax Zombies On Wheels (1999)
- 18.I Was a Zombie for the F.B.I. (1982)
- 19.Redneck Zombies (1987) (V)
 - ...aka Redneck County Rape (1987) (V)
- 20.Teenage Zombies (1957)
- 21.Cage aux zombies, La (1995) (V)
- 22.Gore-Met, Zombie Chef from Hell (1986)
- 23.Living a Zombie Dream (1996) (V)
- 24.Hard Rock Zombies (1984)
- 25.Zelda the Zombie (1965) (TV)
- 26.King of the Zombies (1941)
- 27.Night of the Zombies (1981/I)
 - ...aka Gamma 693 (1981)
 - ...aka Night of the Wehrmacht Zombies
- 28.Plague of the Zombies, The (1966)
 - ...aka Zombies, The (1966)
- 29.Revolt of the Zombies (1936)
- 30.Scooby Doo on Zombie Island (1998) (V)
- 31.Valley of the Zombies (1946)
- 32.Revenge of the Zombies (1943)
 - ...aka Corpse Vanished, The (1943)
- 33.Abercrombie the Zombie (1965) (TV)
- 34.I Walked with a Zombie (1943)
- 35.I Was a Teenage Zombie (1987)
- 36.Invasi=F3n de los Zombies at=F3micos, L=

a

(1980)

- ...aka City of the Walking Dead (1980)
- ...aka Incubo sulla citt=E0 contaminat=

a

(1980) (Italy)

- ...aka Invasion by the Atomic Zombies

(1980)

- ...aka Nightmare (1980)
- ...aka Nightmare City (1980)

37. Get Along Little Zombie (1946)
38. Interview with a Zombie (1997)
39. Santo contra los zombies (1961)
 - ...aka Invasion of the Zombies (1961)
 - ...aka Santo Vs. the Zombies (1961)
40. Chopper Chicks in Zombietown (1989)
41. Incredibly Strange Creatures Who

Stopped Living and

- Became Mixed-Up Zombies, The (1963)
- ...aka Diabolical Dr. Voodoo (1963)
- ...aka Incredibly Mixed Up Zombie,

The (1963)

Mary, The

- ...aka Teenage Psycho Meets Bloody
- (1963)

alternative titles

Some matches were also found among the
(akas)

1. Zombi 2 (1979)
 - ...aka Zombie (1979) (USA)
2. Notti del terrore, Le (1980)
 - ...aka Zombie 3 (1980)
3. Christina, princesse de l'erotisme (1971)
 - ...aka Zombie 4: A Virgin Among the
 - (1971)
4. After Death (1988)
 - ...aka Zombie 4: After Death (1988)
5. Grim Reaper 2, The (1982)
 - ...aka Zombie 6: Monster Hunter (1982)
6. Child, The (1977)
 - ...aka Zombie Child (1977)
7. Lac des morts vivants, Le (1980)
 - ...aka Zombie Lake (1980)
8. Chalta Purza (1932)
 - ...aka Zombie, The (1932)
9. Dawn of the Dead (1978)
 - ...aka Zombie: Dawn of the Dead (1978)
10. Sugar Hill (1974)
 - ...aka Zombies of Sugar Hill, The (1974)

4)

11. Demoni 3 (1991)
 - ...aka Black Zombies (1991)
12. Bloodeaters (1980)
 - ...aka Toxic Zombies (1980)

13. My Boyfriend's Back (1993)
...aka Johnny Zombie (1993)
14. Jiang shi da nao xi men ding (1989)
...aka Spirit Vs. Zombie (1989)
15. Roma contra Roma (1962)
...aka War of the Zombies (1962) (USA)
16. Inferno dei morti-viventi (1981)
...aka Night of the Zombies (1981/II)

(USA)

17. Buque maldito, El (1974)
...aka Horror of the Zombies (1974)
18. Org=EDa de los muertos, La (1972)
...aka Return of the Zombies (1972)
19. Kiss Daddy Goodbye (1981)
...aka Revenge of the Zombie (1981)
20. Ngau wan gong tau (1976)
...aka Revenge of the Zombies (1976)
21. Horror of Party Beach, The (1964)
...aka Invasion of the Zombies (1963)

(USA:

working title)

22. Killing Birds - uccelli assassini (1987=

)

- ...aka Dark Eyes of the Zombie (1987)
23. Ijintachi tononatsu (1988)
...aka Summer Among the Zombies (1988)
24. Rebeli=F3n de las muertas, La (1972)
...aka Vengeance of the Zombies (1972)
25. Tumba de los muertos vivientes, La (198=

3)

...aka Bloodsucking Nazi Zombies

(1983) (video

title)

26. Zombi Holocaust (1979)
...aka Island of the Last Zombies (197=

9)

27. Flesheater (1994)
...aka Revenge of the Living Zombies

(1994)

1. Zombies (1964)
...aka I Eat Your Skin (1971)

(reissue title)

...aka Voodoo Blood Bath (1964)
...aka Zombie (1964)

2. Zombies of Mora Tau (1957)

- ...aka Dead That Walk, The (1957)
- 3.Zombies of the Stratosphere (1952)
- 4.Zombies on Broadway (1945)
 - ...aka Loonies on Broadway (1945)
- 5.Astro-Zombies (1969)
 - ...aka Space Vampires, The (1969)
 - ...aka Space Zombies (1969)
- 6.Hot Wax Zombies On Wheels (1999)
- 7.Redneck Zombies (1987) (V)
 - ...aka Redneck County Rape (1987) (V)
- 8.Teenage Zombies (1957)
- 9.Cage aux zombies, La (1995) (V)
- 10.Hard Rock Zombies (1984)
- 11.King of the Zombies (1941)
- 12.Night of the Zombies (1981/I)
 - ...aka Gamma 693 (1981)
 - ...aka Night of the Wehrmacht Zombies

(1981)

- 13.Plague of the Zombies, The (1966)
 - ...aka Zombies, The (1966)
- 14.Revolt of the Zombies (1936)
- 15.Valley of the Zombies (1946)
- 16.Revenge of the Zombies (1943)
 - ...aka Corpse Vanished, The (1943)
- 17.Invasi=F3n de los Zombies at=F3micos, L=

a

(1980)

- ...aka City of the Walking Dead (1980)
- ...aka Incubo sulla citt=E0 contaminat=

a

(1980) (Italy)

- ...aka Invasion by the Atomic Zombies

(1980)

- ...aka Nightmare (1980)
- ...aka Nightmare City (1980)
- 18.Santo contra los zombies (1961)
 - ...aka Invasion of the Zombies (1961)
 - ...aka Santo Vs. the Zombies (1961)
- 19.Incredibly Strange Creatures Who

Stopped Living and

- Became Mixed-Up Zombies, The (1963)
- ...aka Diabolical Dr. Voodoo (1963)
- ...aka Incredibly Mixed Up Zombie,

The (1963)

- ...aka Teenage Psycho Meets Bloody

Mary, The

(1963)

alternative titles

Some matches were also found among the
(akas)

4)

- 1.Dawn of the Dead (1978)
...aka Zombies (1978) (UK)
- 2.Sugar Hill (1974)
...aka Zombies of Sugar Hill, The (197=
- 3.Demoni 3 (1991)
...aka Black Zombies (1991)
- 4.Bloodeaters (1980)
...aka Toxic Zombies (1980)
- 5.Roma contra Roma (1962)
...aka War of the Zombies (1962) (USA)
- 6.Inferno dei morti-viventi (1981)
...aka Night of the Zombies (1981/II)
- 7.Buque maldito, El (1974)
...aka Horror of the Zombies (1974)
- 8.Org=EDa de los muertos, La (1972)
...aka Return of the Zombies (1972)
- 9.Ngau wan gong tau (1976)
...aka Revenge of the Zombies (1976)
- 10.Horror of Party Beach, The (1964)
...aka Invasion of the Zombies (1963)
- 11.Ijintachi tono natsu (1988)
...aka Summer Among the Zombies (1988)
- 12.Rebeli=F3n de las muertas, La (1972)
...aka Vengeance of the Zombies (1972)
- 13.Tumba de los muertos vivientes, La (198=
- ...aka Bloodsucking Nazi Zombies
- 14.Zombi Holocaust (1979)
...aka Island of the Last Zombies (197=
- 15.Flesheater (1994)
...aka Revenge of the Living Zombies

(USA)

(USA:

working title)

3)

(1983) (video

title)

9)

(1994)

NorCal Zombie (But I'm not sure Doug Gave me a number along with the badge
at HAMCOM)

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL ZOMBIE #1002 QRP-L #673 FISTS # 5365

Date: Tue, 20 Oct 1998 17:14:57 -0700
From: k7sz@epix.net
To: n4bp@bc.seflin.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22734] Re: N4BP ARCI Party
Message-ID: <362D2781.39BB@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob Patten wrote:

>
> QRP ARCI CONTEST
> SCORE: 1,203,587

Now...if you REALLY want to know how Bob does this....read chapter two of my
2nd volume on QRP! It's all there....those of you lucky enough to have copies.

Great job, Bob!

73 Rich K7SZ

Date: Tue, 20 Oct 1998 17:23:48 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: Dave Johnson KnightLite QRP Club <klqrp@waterw.com>, Les Shattuck
<k4nk@aol.com>
Subject: [22735] Where are you?
Message-ID: <Pine.BSI.3.96.981020171904.12693C-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Les,

A couple of us were having trouble with your email address.
Have you changed it? Saw a post here this week asking about Atlanticom,

so I know you are around. :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Date: Tue, 20 Oct 1998 15:25:42 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'bmug@gwl.com'" <bmug@gwl.com>
Cc: "'QRP-L'" <qrp-l@Lehigh.EDU>, "'QRP-C list'" <listproc@lists.gpfn.sk.ca>
Subject: [22736] RE: FOX - HELP
Message-ID: <ABB04875E11AD01191A40000F83092BEFA1965@STONE>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7BIT
Content-Transfer-Encoding: 7BIT

....Tom, KV2X, posted that he will be the fox tonight starting at 10:00 pm EDT (0200Z)....

-----Original Message-----

From: Brad Mugleston [SMTP:bmug@gwl.com]
Sent: Tuesday, October 20, 1998 12:19 PM
To: Low Power Amateur Radio Discussion
Subject: RE: FOX - HELP

Its less than 8 hours until FOX time and no details yet. Anybody hear anything?
de KB0ROL, Brad

-----Original Message-----

From: Wilford D. Lindsey [SMTP:70511.3041@compuserve.com]
Sent: Monday, October 19, 1998 8:06 PM
To: INTERNET:bmug@gwl.com; +Doc W.D. Lindsey/K0EVZ
Subject: FOX - HELP

Brad:

Have *still* seen no posts fro either FOX. Hope they observe the rules about a list-minute posting :-). Good luck.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Tue, 20 Oct 1998 17:25:50 -0400
From: Ed Tanton <n4xy@att.net>
To: Bigbob97@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22737] Re: Crystal oscillator
Message-ID: <3.0.5.32.19981020172550.00bdbd10@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Bob... take a 220 ohm resistor in series with your xtal, a 7400 and put that resistor and crystal from the input of the first section (pins 1&2) to the output of a 2nd (pin 6); short both inputs of the two sections (1 & 2 and 4 & 5-not to each other but just to make them act as inverters) connect the output of #1 (pin 3) to the input of #2 (pins 4 & 5) using a 220 ohm resistor. Now connect a 560 ohm resistor from the input of #1 to its output (Pins 1&2 to pin 3) and a 1.8k resistor from the input of #2 to its output (pins 4&5 to pin 6). Note there are no capacitors at all. Don't forget power pins. I'd add another "inverter" section as a buffer. See if this doesn't work.

I notice that similar oscillators using a 1MHz xtal and capacitive coupling between stages, used a 6800 pf cap with a 7404 and a 0.47ufd cap with a 7400 in a circuit similar to the above circuit-using that cap between section 1 and section 2... so for 100kHz, it might take a VERY large cap... or use the circuit above and see if it'll fly. Not sure if 74C/etc. works with the resistors used above. If you can read a WIN meta file, I can convert the drawing I already have of this in AUTOSKETCH v5.03 ".SKF" format to ".WMF" format and send it to you.

73

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		QRP to 150W: 95%

"Think you can, think you can't: either way you're right!"

Henry Ford

Date: Tue, 20 Oct 1998 15:36:26 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [22738] FW: FOX - HELP
Message-ID: <ABB04875E11AD01191A40000F83092BEFA1968@STONE>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT
Content-Transfer-Encoding: 7BIT

-----Original Message-----

From: Rattray, Bruce [SMTP:Rattray@siast.sk.ca]
<mailto:[SMTP:Rattray@siast.sk.ca]>
Sent: Tuesday, October 20, 1998 3:27 PM
To: Multiple recipients of list
Subject: FW: FOX - HELP

..does this mean there will be 2 foxii tonight?...Bruce(VE5RC)

-----Original Message-----

From: Brad Mugleston [SMTP:bmug@gwl.com]
<mailto:[SMTP:bmug@gwl.com]>
<mailto:[SMTP:bmug@gwl.com] <mailto:[SMTP:bmug@gwl.com]> >
Sent: Tuesday, October 20, 1998 12:19 PM
To: Low Power Amateur Radio Discussion
Subject: RE: FOX - HELP

Its less than 8 hours until FOX time and no details yet. Anybody
hear anything?

de KB0ROL, Brad

-----Original Message-----

From: Wilford D. Lindsey [SMTP:70511.3041@compuserve.com]
<mailto:[SMTP:70511.3041@compuserve.com]>
<mailto:[SMTP:70511.3041@compuserve.com]
<mailto:[SMTP:70511.3041@compuserve.com]> >
Sent: Monday, October 19, 1998 8:06 PM
To: INTERNET:bmug@gwl.com; +Doc W.D. Lindsey/K0EVZ
Subject: FOX - HELP

Brad:

72/73,

On Tue, 20 Oct 1998 15:54:18 -0400, you typed:

Just a note, the above doesn't quite hack it. See rule below:

.

Date: Tue, 20 Oct 1998 14:51:25 -0700
From: "Barry L. Geipel" <bgeipel@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22740] Re: FOX - HELP
Message-ID: <199810202149.0AA23496@newspaper.cwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

As per rules:

1.13 Fox must post PRIOR to operation day with details (rig, ant, freq)
regarding their operation.

I have not seen a posting that has any of this info for tonight's hunt.
Or am I missing something here?

Barry

>
> Brad,
> The fox will be on the air as per schedule.
>
> GL es hpe to cu all
>
> Tom, kv2x
>
> Brad Mugleston wrote:
> >
> > Its less than 8 hours until FOX time and no details yet. Anybody hear
anything?
> > de KB0ROL, Brad
> >
>

Date: Tue, 20 Oct 1998 17:49:43 EDT
From: Baranger1@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22741] Smallest Transceiver???
Message-ID: <3885aa5.362d0577@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Question for the group, what is the smallest size "all band" QRP SSB
Transceiver made?
73, Bill WB9BQG

Date: Tue, 20 Oct 1998 14:56:44 -0700
From: Grant Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [22742] Wanted: SST/20m kit (built ok)
Message-ID: <362D071C.505D@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have an unbuilt SST/20 sitting around? If so, I would much
rather pay shipping from your QTH than CA sales tax...

A built-up one would be ok, too.

--
Grant K7GT Pleasanton CA k7gt@qsl.net <http://www.qsl.net/k7gt>

Date: Tue, 20 Oct 1998 12:13:35 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-l@Lehigh.EDU
Subject: [22743] Re: Son of resonant speaker headphones? A great idea!
Message-ID: <19981020.121336.3326.3.N5INZ@juno.com>

Great idea! I'll just use the left-overs from my "Betty Ford" beam.
(It never worked and I never cared).

72, John- N5INZ

(On Tue, 20 Oct 1998 12:46:50 EDT WD6BOR@aol.com writes:
>Why didn't I think of this before? Beer cans! We just glue together
>enough
>beer cans to resonate the speakers to our desired frequency. It might
>sound a
>little "tinny" but we would be using materials readily available
>around the

>shack.
>
>72, Darrel, WD6BOR
>
>(OK, that's my last post)
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 20 Oct 1998 18:03:28 -0400
From: "david r" <elbc@pivot.net>
To: <skousen@srv.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22744] Re: Did anyone see Aurora last night?
Message-ID: <002201bdfc75\$8073fc60\$a13d62ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

looke in MAINE NOTHING here either

-----Original Message-----
From: Niel Skousen <skousen@srv.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, October 20, 1998 2:06 PM
Subject: Re: Did anyone see Aurora last night?

>Looked in Idaho Falls, SE-Idaho
>Nothing here...
>
>Niel
>
>At 10:13 AM 10/20/98 -0700, you wrote:
>>On the basis of the reported good condx for Auroral activity I looked
>>for it a few times last night but never saw anything. I am located in
>>Eastern Washington. Anyone else have better luck?
>>-Mike AB7RU
>>
>>

>>==
>>Michael Parkes AB7RU
>>
>>
>>
>>
>>
>>-----
>>DO YOU YAHOO!?
>>Get your free @yahoo.com address at <http://mail.yahoo.com>
>>
>

Date: Tue, 20 Oct 1998 18:11:37 -0400
From: Jim Lyons <jlyons@CAM.ORG>
To: ab7ru@yahoo.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22745] Re: Did anyone see Aurora last night?
Message-ID: <3.0.5.32.19981020181137.0081e5f0@pop.hip.cam.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nothing observed in Montreal, Canada.

Jim, VE2KN

At 10:13 AM 10/20/98 -0700, Mike Parkes wrote:
>On the basis of the reported good condx for Auroral activity I looked
>for it a few times last night but never saw anything. I am located in
>Eastern Washington. Anyone else have better luck?
>-Mike AB7RU
>
>
>==
>Michael Parkes AB7RU
>
>
>
>
>-----
>DO YOU YAHOO!?
>Get your free @yahoo.com address at <http://mail.yahoo.com>

>
>
>
>

Date: Tue, 20 Oct 1998 18:36:52 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>
Subject: [22746] Great QRP Surfin'
Message-ID: <362D1084.635AF96F@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

If any of you are like me and can't get enough qrp pages to browse on the web, "Geocities" has just set up a new search engine for geocities sites at <http://www.geocities.com/search/>

Entering "qrp" produced 761 matches! Lots of interesting stuff!

73/72, JC

		VE3JC John Cumming
Q		Delaware, ON CANADA
/\		jbcumming@wwdc.com
@` / ----		hf qrp cw bicycle mobile
() \ ()		http://www.geocities.com/CapeCanaveral/Lab/7378/

End of QRP-L Digest 1250

